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PROCUREMENT SECTION
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USDA-DHIA

Cow Performance Index List

Registered Cows Calving Between
September 1968 and April 1970

Indexed

MAY 1971

Agricultural Research Service
U. S. Department of Agriculture

The Cow Index Values in this publication are estimates of genetic transmitting ability for milk and fat yield, fat percent, and dollars of gross income for outstanding cows based on lactation records made in the Official DHI and DHIR dairy recordkeeping programs. Two new index values are given for the first time, fat percent and dollars of gross income. The requirement that a cow's sire be summarized in a given run before the cow could be indexed has been eliminated. Screening procedures have also been changed. However, the interpretation of all information on the cow index listings is exactly the same as in previous years. Persons desiring to obtain maximum benefit from the information contained in this publication should read the introductory material thoroughly.

The names and addresses of owners of cows appearing in this list are given at the end of the cow index listing. They are given in sequence by herd code number.

The Cow Index Values for superior cows from each run are distributed to Extension Dairyman, breed associations, and AI organizations in the form of computer listings or magnetic tape. This publication is compiled and printed annually following the May sire summary run. It is usually available for distribution in August or September of each year. Since it is an annual publication, no general mailing list is maintained. Copies can be obtained, free of charge, by contacting the Extension Dairyman advising on dairy cattle breeding programs in each State (see table VIII, p. xv) or by writing directly to the following address: Dairy Herd Improvement Investigations, Building 263, Agricultural Research Center, USDA, Beltsville, Maryland 20705. Cow Index Values for registered cows not appearing in this publication can be obtained from the respective breed associations.

2001
USDA-DHIA
COW PERFORMANCE INDEX LIST
REGISTERED COWS CALVING BETWEEN
September 1968 and April 1970
Indexed May 1971

by F. N. Dickinson, B. T. McDaniel, and H. D. Norman

The cows appearing in this list were selected by a two-stage procedure. The first stage was an initial screening based on the following criteria:

1. They are registered.
2. They have an average of at least five herdmates.
3. Date of last calving must be between September 1, 1968 and April 14, 1970.
4. Their last record had a termination code indicating they were alive at the termination of the record, that is, code O, A, B, or H (termination codes C, D, E, F, G, 9 were eliminated).

The second stage of this procedure was to index all cows which passed the initial screening and then to select those, for printing in this publication, which met or surpassed the levels in table I.

TABLE I.--Screening levels for M.E. yields, herdmate deviations (HM-DEV), and Cow Index Values (C.I.) required for a cow to appear in this publication

Breed	Screening levels							Cows
	Milk	Fat	HM-DEV Milk	HM-DEV Fat	C.I. Milk	C.I. Fat	C.I. \$	quali- fying
	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	<u>\$</u>	<u>No.</u>
Ayrshire	12,000	450	1,000	0	300	0	48	781
Guernsey	11,000	450	1,000	0	300	0	28	3,029
Holstein	15,000	510	1,500	0	400	0	37	17,035
Jersey	10,000	450	1,000	0	300	0	27	2,636
Brown Swiss	13,000	500	1,300	0	350	0	34	823
M. Shorthorn	11,000	400	1,000	0	300	0	16	197

USDA-DHIA Cow Performance Index Values are estimates of transmitting ability. A cow's transmitting ability for milk, fat, fat percent, or dollars gross income is the level above or below breed average which she is expected to transmit to her offspring. Since these index values are estimates of transmitting ability, they are one-half of each cow's breeding value.

The herdmate comparison method has been adopted for estimating transmitting ability because it has been shown to be effective in reducing the environmental effects of herd, year, and season-of-calving on genetic evaluations. Therefore, the yield of each cow and of her paternal half-sisters is expressed as a deviation from herdmates when calculating the cow index ratings. The Predicted Difference of her sire is used as the measure on her paternal half-sisters.

The relative emphasis which is given to the two sources of information (cow's herdmate deviation and her sire's Predicted Difference) depends on the number of records the cow has completed and the repeatability of the sire's Predicted Difference. The relative emphasis is shown in table II for varying levels of the sire's repeatability and up to five records on the cow. The values were determined after taking into account the magnitude of the variance which affects a cow's mean herdmate deviation as opposed to her sire's Predicted Difference. In general, the variation associated with the mean deviation of a cow's records from her herdmates is much greater than that of her sire's Predicted Difference. For example, it is not unusual for a cow's record to be 5,000 pounds of milk above or below her herdmate average. However, it would be extremely unusual for a group of 10 or more of her paternal half-sisters to deviate that much on the average from their herdmates. Therefore, these two sources of information are placed on the basis of a standardized variance (that is, standard partial regression coefficients). When this has been done, the values in table II indicate that a cow's production receives more emphasis than her half-sisters until sufficient half-sister information is available to raise the Repeatability of her sire's summary to 50 percent. For example, if the cow has five records and there is minimum information on her half-sisters, her own data receive 1.9 times as much emphasis as the sire's Predicted Difference.

In that case, the relative emphasis is about 2:1 in favor of the cow's information. At the other extreme (one record on the cow and Repeatability of sire's summary is 95 percent), the emphasis has shifted to 0.6:1, or about 1.7 times as much emphasis on the sire's Predicted Difference as on the cow's data.

The degrees of relative emphasis shown in table II for varying amounts of information on a cow and her sire's Predicted Difference show clearly that when information is available from both sources, it should be utilized to estimate a cow's transmitting ability. Even in the most extreme cases shown, the ratio of emphasis is less than 2:1, indicating that both sources of information make important contributions to the estimate of a cow's transmitting ability.

TABLE II.--Relative emphasis given to cow's herdmate deviation in relation to sire's Predicted Difference (PD) in calculating cow index values 1/

Repeatability of sire's PD	Number of lactations for the cow				
	1	2	3	4	5
20	1.6	1.7	1.8	1.9	1.9
30	1.2	1.3	1.4	1.4	1.5
40	1.0	1.1	1.2	1.2	1.2
50	.9	.9	1.0	1.0	1.0
60	.8	.8	.9	.9	.9
70	.7	.8	.8	.8	.8
80	.7	.7	.7	.8	.8
90	.6	.7	.7	.7	.7
95	.6	.7	.7	.7	.7

1/ Table values should be interpreted as the ratio:

$$\frac{\text{emphasis on cow's information}}{\text{emphasis on half-sisters' information}}$$
 First value in table (1.6) indicates that the ratio of weighting of cows data to weighting of half-sisters data is 1.6:1.

Cow Index Values for milk and fat

USDA-DHIA Cow Index Values for milk and fat are calculated as follows:

$$CI = \frac{1}{2} \left\{ w_1 \left[(\bar{C} - AHMA) + 0.1 (AHMA - BA) \right] + w_2 (\text{Sire's PD}) \right\}$$

\downarrow Gives index in terms of transmitting ability
 \downarrow Weighting for cow's information
 \downarrow Cow's herdmate deviation
 \downarrow Adjustment for cow's herd genetic level

\downarrow Weighting for sire's PD
 \downarrow Sire's Predicted Difference

where:

CI is the USDA-DHIA Cow Index Value;

1/2 is a factor which expresses the index in terms of a cow's transmitting ability;

w_1 and w_2 are computational weightings given to information on the cow and her sire's Predicted Difference, respectively, as shown in table III;

\bar{C} is the mean yield of a cow's 2X-305-day-ME milk or fat;

AHMA is the adjusted herdmate average yield for milk or fat of the cow's herdmates;

BA is the breed average as shown in table IV;

0.1 is a regression coefficient which credits the cow with one-tenth of the difference between the breed average and the yield of her herdmates;

Sire's PD is the USDA-DHIA Predicted Difference of the cow's sire for milk or fat.

Without the factor one-half in the Cow Index Value formula, the index would give an estimate of breeding value. However, since on the average one-half of an animal's breeding value is transmitted to an offspring, the factor one-half is included in the formula to express Cow Index Values in

terms of transmitting ability.

The terms w_1 and w_2 are factors that provide relative weightings for computational purposes to the cow's data and her sire's Predicted Difference, respectively. These factors should not be confused with the degrees of relative emphasis shown in table II. The computational factors, w_1 and w_2 (table III), are the weightings which are used to calculate Cow Index Values by the formula shown above. These factors take into account the different variances that are characteristics of the different sources of data utilized in the cow indexing formula. The w_2 factors are not the same as has been shown in previous USDA-DHIA Cow Performance Index Lists. This is because the cow index formula has been simplified and the sire's Predicted Difference is now shown instead of the paternal half-sister adjusted herdmate deviation. This now allows the calculation of a Cow Index Value in the field without converting the sire's PD to a herdmate deviation basis as was done previously. The relation between the present and previously given w_2 is:

$$\text{Present } w_2 = \frac{\text{previous } w_2}{\text{Repeatability of sire's PD}}$$

TABLE III.--Computational factors used to weight cow's own production information (w_1) and the Predicted Difference (PD) of her sire (w_2) in the USDA-DHIA Cow Index calculations $\frac{1}{2}$

Repeatability of sire's PD		Number of lactations available for the cow									
		1		2		3		4		5	
		Cow	Sire	Cow	Sire	Cow	Sire	Cow	Sire	Cow	Sire
%	w_1	w_2	w_1	w_2	w_1	w_2	w_1	w_2	w_1	w_2	w_2
0.20	0.18	0.80	0.24	0.75	0.28	0.72	0.29	0.70	0.31	0.70	0.70
.30	.18	.82	.24	.77	.27	.73	.29	.70	.30	.70	.70
.40	.17	.83	.23	.78	.26	.73	.28	.70	.30	.70	.70
.50	.17	.83	.23	.78	.26	.74	.28	.72	.29	.72	.72
.60	.17	.83	.22	.78	.25	.75	.27	.73	.28	.72	.72
.70	.16	.84	.22	.79	.25	.76	.27	.74	.28	.73	.73
.80	.16	.84	.21	.79	.24	.76	.26	.74	.27	.73	.73
.90	.15	.84	.21	.79	.24	.77	.25	.74	.27	.73	.73
.95	.15	.85	.21	.80	.23	.77	.25	.75	.26	.74	.74

$$\frac{1}{2} \text{ USDA-DHIA Cow Index} = \frac{1}{2} \{w_1 [(\text{cow's avg.} - \text{adj. herdmate avg.}) + 0.1(\text{adj. herdmate avg.} - \text{minus breed avg.})] + w_2 (\text{Sire's PD})\}$$

TABLE IV.--Breed averages used for Cow Index
 Values on a 2X, 305-day-M.E. basis 1/

Breed	Milk	Fat	Fat
	<u>Lb.</u>	<u>%</u>	<u>Lb.</u>
Ayrshire	11,112	3.91	434
Guernsey	9,632	4.64	447
Holstein	13,943	3.61	503
Jersey	8,853	5.00	443
Brown Swiss	12,203	4.02	490
Milking Shorthorn	9,982	3.72	371

1/ The breed averages were compiled from all lactation records of Official DHI and DHIR cows of each breed that calved in 1967 and 1968.

The term " $(\bar{C} - AHMA)$ " expresses a cow's mean lactation yield for milk or fat as a deviation from her herdmates' adjusted mean yield. The term " $0.1 (AHMA - BA)$ " regresses the adjusted herdmate deviation for the genetic level of the herd in which the cow and her herdmates were located. The adjusted herdmate average (AHMA) for each individual lactation is calculated from the equation:

$$AHMA = (RBYS-Avg.) + \frac{NHM}{NHM + 1} (HMA \text{ minus } RBYS-Avg.)$$

where: (RBYS-Avg.) is the regional-breed-year-season average yield of milk or fat,
 NHM is the number of herdmates, and
 HMA is the unadjusted herdmate average yield.

Cow Index Value for fat percent

The measure of a cow's transmitting ability for fat percent is the Cow Index Value for fat percent. This is the expected average deviation of a cow's progeny from their herdmates in breed average herds. It is computed as follows:

$$CI \text{ fat } \% = \frac{(CI \text{ for fat} + \text{Breed avg. fat}) \times 100}{CI \text{ for milk} + \text{Breed avg. milk}} - \text{Breed avg. \% fat}$$

Cow Index Value for dollars gross income

The Cow Index Value for dollars gross income is an estimate of a cow's transmitting ability for gross income in relation to breed average based on the cow's Cow Index Value for milk and fat. This value permits the direct comparisons of individual cows to breed average in the same manner as do Cow Index Values for milk and fat. The Cow Index Values for dollars gross income are based on 2X-305-day-M.E. yield, the same as are the Cow Index Values for milk and fat.

Average 1970 U.S. prices for milk and fat were used to calculate the value of production for individual cows. 1/

1/ The average U.S. milk price for 1970 was \$5.50/cwt. for 3.5 percent milk, and the average milk fat differential was \$0.083/0.1 percent/cwt. (Source: Dairy Situation, Economic Research Service, USDA, DS-334. March 1971.)

The formula 2/ for computing the Cow Index for dollars gross income for a specific cow is:

$$CI_{\$} = (CI_m) \times (M_{\$} - F_{\$} \times B) + (CI_f) \times (F_{\$})$$

where:

$CI_{\$}$ is the Cow Index Value for dollars gross income

CI_m is the Cow Index Value for milk in pounds

CI_f is the Cow Index Value for fat in pounds

$M_{\$}$ is the price paid for a unit of milk at the base test; $M_{\$} = \$0.055/\text{lb. } \underline{1/}$

$F_{\$}$ is the price paid for a unit of fat;
 $F_{\$} = \$0.83/\text{lb. } \underline{1/}$

B is the base test; $B = 0.035 \underline{1/}$

Reliability of Cow Index Values

The reliability of a Cow Index Value is a function of the amount of information that is available on a cow and her paternal half-sisters. Reliability is expressed in terms of percent Repeatability, which is the same terminology that is used with the reliability of USDA-DHIA Predicted Differences on bulls. Repeatability values are shown in table V for varying amounts of information on a cow and her paternal half-sisters. These values were obtained from the formula,

$w_1 + R \left(\frac{w_2}{4} \right)$, where w_1 and w_2 are the computational weighting factors shown in table III, and R is the Repeatability of the sire's PD.

The reliability of a Cow Index Value is an indication of the precision with which the index estimates a cow's transmitting ability for milk or fat. Low Repeatabilities

1/ See footnote 1, page viii.

2/ Details of estimating transmitting ability of cows and bulls for economic merit are given in Dairy-Herd-Improvement Letter, ARS 44-223, January 1971.

(around 20 to 25 percent) indicate that an individual cow's transmitting ability for milk and fat may in some cases be quite different from her index value. However, with a higher Repeatability (above 40 percent) it is more likely that the index value is an accurate estimate of transmitting ability.

TABLE V.--Reliability of Cow Index Values for varying amounts of information on a cow and her sire's Predicted Difference

Repeatability of sire's PD	Number of lactations for the cow				
	1	2	3	4	5
	----- <u>Percent Repeatability</u> -----				
20	22	28	31	33	34
30	24	30	33	34	35
40	26	31	34	35	36
50	27	33	35	37	38
60	29	34	37	38	39
70	31	36	38	39	40
80	33	37	39	41	42
90	34	38	41	42	43
95	35	39	42	43	44

Interpretation of Cow Index Values

An important contribution can be made to the genetic improvement of yield and income in a herd if effective selection of cows is continually made. Cow Index Values should always be considered if they are available, since they give a more accurate estimate of genetic transmitting ability than a cow's lactation yield or even her herdmate deviation.

The estimated breeding value of a calf can be calculated by adding the Predicted Difference of its sire and the Cow Index Value of its dam. This is possible because both values are expressed in terms of transmitting ability (one-half breeding value).

Therefore, Calf's Breeding Value = Sire's Predicted Difference + Dam's Cow Index Value.

Location of breed tables in this publication

Each breed is listed in a separate table, numbered as follows:

<u>Table</u>	<u>Page</u>	<u>Breed</u>
1	1	Ayrshire
2	11	Guernsey
3	47	Holstein
4	248	Jersey
5	280	Brown Swiss
6	290	Milking Shorthorn

Herd code numbers

The herd code numbers are shown in the format State-DHI Associations-Herd. The State Code numbers are identified for quick reference in table VI, page xiii.

Termination codes

Termination codes are given for each record to indicate the conditions under which the lactation was terminated. The termination codes that may appear on records in this publication are shown in table VII. A blank in the termination code column indicates a complete record terminated under normal circumstances by the cow going dry. The non-blank termination codes will be letters A, B, or H, which are defined in table VII. The fact that these codes are letters indicates that the records on which they appear were incomplete and were projected to a 305-day basis.

Herd owner name and address list

A list of the herd owners of cows in this publication is shown in table 7 beginning on page 293. This list includes names and addresses of all herd owners which were incorporated

into the Herd Owner File before the May 1971 sire summary run. The herd owners can be cross-referenced to cows in the USDA-DHIA Cow Performance Index List by means of the herd code. The herd code numbers will correspond between these tables except where a herd may have changed type of test between Official DHI and DHIR. In that case, a herd code on one list may contain a 0 in the fifth position (44-44-0444) on one list and a 9 in that position (44-44-9444) on the other list.

TABLE VI.--State codes and State identification

11	Maine	55	North Carolina
12	New Hampshire	56	South Carolina
13	Vermont	57	Georgia
14	Massachusetts	58	Florida
15	Rhode Island	61	Kentucky
16	Connecticut	63	Tennessee
21	New York	64	Alabama
22	New Jersey	65	Mississippi
23	Pennsylvania	71	Arkansas
31	Ohio	72	Louisiana
32	Indiana	73	Oklahoma
33	Illinois	74	Texas
34	Michigan	81	Montana
35	Wisconsin	82	Idaho
41	Minnesota	83	Wyoming
42	Iowa	84	Colorado
43	Missouri	85	New Mexico
45	North Dakota	86	Arizona
46	South Dakota	87	Utah
47	Nebraska	88	Nevada
48	Kansas	91	Washington
50	Delaware	92	Oregon
51	Maryland	93	California
52	Virginia	94	Puerto Rico
54	West Virginia	95	Hawaii
		96	Alaska

TABLE VII.--Termination codes used for lactation records

Code	Meaning
(Blank)	Normal lactation.
A	Lactation incomplete when terminated-- cow remained in herd.
B	Sold for dairy purposes.
H	Record terminated by abortion.

TABLE VIII.--Extension Dairymen advising on Dairy Cattle Breeding Programs in each State as of January 1, 1971

Ala-----	R. S. Jones, Jr., Dairy Science Dept., Auburn University, Auburn 36830.
Alaska----	A. L. Brundage, Experiment Station Research Staff, University of Alaska, Palmer 99645.
Ariz-----	W. R. Van Sant, Dept. of Dairy Science, University of Arizona, Tucson 85721.
Ark-----	L. Ratcliff, Animal Industry & Veterinary Science Dept., University of Arkansas, Little Rock 72203.
Calif-----	F. D. Murrill, Animal Science Bldg., University of California, Davis 95616.
Colo-----	D. C. Jordan, Animal Science Dept., Colorado State University, Fort Collins 80521.
Conn-----	R. H. Benson, Animal Industries Dept., University of Connecticut, Storrs 06268.
Del-----	W. R. Hesseltime, College of Agr. Sciences, University of Delaware, Newark 19711.
Fla-----	C. W. Reaves, Dairy Science Bldg., University of Florida, Gainesville 32601.
Ga-----	J. N. Maddux, Animal Industry Division, University of Georgia, Athens 30601.
Hawaii----	H. R. Donoho, Animal Science Dept., University of Hawaii, Honolulu 96822.
Idaho-----	G. W. Cleveland, Dairy Science Dept., University of Idaho, P.O. Box 300, Boise 83701.
Ill-----	R. V. Johnson, Dairy Science Dept., University of Illinois, Urbana 61803.
Ind-----	N. J. Moeller, Dept. of Animal Sciences, Purdue University, Lafayette 47907.
Iowa-----	B. R. Eastwood, Animal and Dairy Science Dept., Iowa State University, Ames 50010.
Kans-----	E. R. Bonewitz, Dairy Science Dept., Kansas State University, Manhattan 66504.
Ky-----	J. H. Nicolai, Jr., Dairy Production Dept., University of Kentucky, Lexington 40506.
La-----	H. W. Anderson, La. Agr. Extension Service, Louisiana State University, Baton Rouge 70803.
Maine-----	C. K. Walker, Animal Science Dept., University of Maine, Orono 04473.
Md-----	D. T. Buchman, Dairy Science Dept., University of Maryland, College Park 20742.
Mass-----	S. N. Gaunt, Veterinary and Animal Sciences Dept., University of Massachusetts, Amherst 01003.
Mich-----	C. E. Meadows, Dairy Genetics and Breeding, Michigan State University, East Lansing 48823.
Minn-----	B. J. Conlin, Dept. of Animal Science, University of Minnesota, St. Paul 55101.
Miss-----	G. B. Crain, Dairy Science Dept., Mississippi State University, State College 39762.
Mo-----	R. E. Ricketts, Dairy Husbandry Dept., University of Missouri, Columbia 65202.
Mont-----	B. R. Moss, Dept. of Animal Science and Range Management, Montana State University, Bozeman 59715.
Nebr-----	P. H. Cole, Dairy Science Dept., University of Nebraska, Lincoln 68503.
Nev-----	H. P. Adams, Animal Science Dept., University of Nevada, Reno 89507.
N. H-----	T. P. Fairchild, Animal Science Dept., University of New Hampshire, Durham 03824.
N. J-----	E. T. Oleskie, Animal Science Dept., Rutgers University, New Brunswick 08903.
N. Mex-----	J. B. Ellis, Dairy Dept., New Mexico State University, University Park 88070.
N. Y-----	H. W. Carter, Animal Husbandry Dept., Cornell University, Ithaca 14850.
N. C-----	F. D. Sargent, Animal Science Dept., North Carolina State University, Raleigh 27607.
N. Dak-----	G. R. Fisher, Dairy Husbandry Dept., North Dakota State University, Fargo 58103.
Ohio-----	C. D. McGrew, Dairy Science Dept., Ohio State University, Columbus 43210.
Okla-----	C. H. Burton, Dept. of Dairying, Oklahoma State University, Stillwater 74074.
Oreg-----	D. E. Anderson, Animal Science Dept., Oregon State University, Corvallis 97331.
Pa-----	L. W. Specht, Dairy Science Dept., Pennsylvania State University, University Park 16802.
P. R-----	C. A. Calderon, Animal Husbandry Dept., University of Puerto Rico, Rio Piedras 00928.
R. I-----	J. W. Atwood, Dairy Science Dept., University of Rhode Island, Kingston 02881.
S. C-----	W. L. Northern, Dairy Science Dept., Clemson University, Clemson 29631.
S. Dak-----	E. J. Kleen, Dairy Science Dept., South Dakota State University, Brookings 57007.
Tenn-----	C. K. Chappell, Dairy Dept., University of Tennessee, Knoxville 37916.
Tex-----	A. M. Meekma, Dairy Science Dept., Texas A & M University, College Station 77843.
Utah-----	J. J. Barnard, Dairy Industry Dept., Utah State University, Logan 84321.
Vt-----	K. S. Gibson, Animal and Dairy Science Dept., University of Vermont, Burlington 05401.
Va-----	W. N. Patterson, Dairy Science Dept., Virginia Polytechnic Institute, Blacksburg 24061.
Wash-----	B. F. Kelso, W. W. Research and Extension Center, Puyallup 98371.
W. Va-----	R. O. Kelley, Animal Industry and Veterinary Science Dept., West Virginia University, Morgantown 26506.
Wis-----	E. E. Starkey, Dairy Science Dept., University of Wisconsin, Madison 53706.
Wyo-----	R. H. Anderson, Division of Animal Science, University of Wyoming, Laramie 82071.

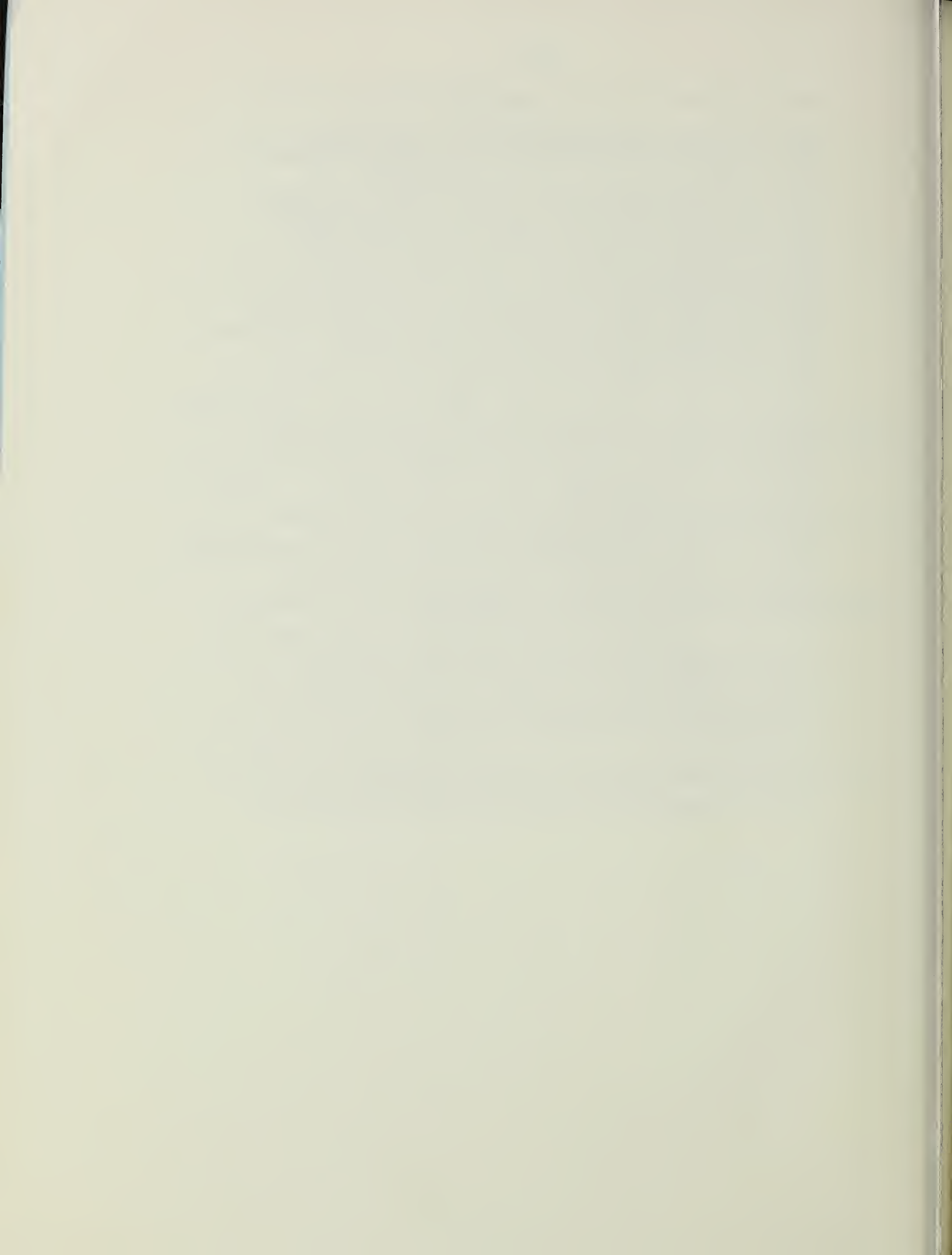


TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS.

COW'S LAST HERD CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	..HEROMATE AVERAGES.. NO. MILK (LBS) (%) (%) (%)	LAST T CALVO C MO-YR D	.....C O W MILK (LBS)	I N O E X..... FAT (%) FAT (%) DOL- (LBS) (LBS) LARS
11-13-0062	687326	117936	4-64	3 305 18,550 3.89 722	15 13,776 4.10 565	12-69	42	1,145 -.02 42 \$ 65
11-13-0062	709585	117936	4-66	2 305 18,125 4.24 768	6 12,205 4.05 494	10-69	40	1,198 -.04 52 74
11-15-0078	647587	117936	10-61	5 305 22,772 3.56 810	26 10,556 4.10 433	2-69	44	2,114 -.09 71 114
12-11-0128	643128	122478	7-61	6 305 21,495 4.27 917	17 13,847 4.14 573	3-70	35	1,176 -.06 53 75
12-11-0128	674164	102091	9-63	4 305 16,098 4.47 720	24 12,940 4.10 531	9-69	42	629 -.11 38 48
12-11-0128	707212	117936	2-66	2 305 19,465 4.10 799	18 15,045 4.13 621	3-70	40	1,074 -.02 44 64
12-13-0117	709803	117936	7-66	1 305 15,260 3.77 575	24 12,660 3.91 495	9-69	36	828 -.00 32 48
12-13-0117	709805	117936	7-66	1 305 16,720 3.70 619	25 12,680 3.89 493	8-69	36	935 -.01 35 53
12-13-0117	709806	117936	7-66	1 305 15,600 3.99 622	25 12,680 3.89 493	8-69	36	852 -.01 35 51
12-13-0117	709808	117936	8-66	1 305 17,430 4.19 731	26 13,370 3.97 531	10-69	36	942 -.03 41 58
12-13-0147	733356	117936	11-67	1 305 15,420 3.66 564	7 12,860 3.74 481	3-70	36	827 -.00 32 48
12-13-0169	667150	117936	4-63	5 305 14,654 3.54 519	15 11,708 3.73 437	3-70	44	933 -.03 33 52
12-13-0169	721892	117936	3-67	1 305 16,570 3.42 566	10 12,000 3.69 443	2-70	36	970 -.03 34 53
12-14-0150	686036	119413	7-64	3 305 17,063 4.13 704	50 12,030 3.92 471	10-68	34	759 -.05 36 50
12-14-0150	705006	117936	11-65	2 305 16,010 3.82 611	43 11,915 3.91 466	7-69	40	1,010 -.00 39 59
12-14-0150	706991	117936	2-66	2 305 15,420 4.35 671	39 12,275 3.92 481	10-69	40	917 -.07 44 60
12-14-0150	709412	117936	4-66	2 305 20,175 3.67 740	22 13,280 3.89 517	12-69	40	1,308 -.03 47 73
12-14-0150	715568	117936	12-66	1 305 14,420 4.13 595	39 11,690 3.89 455	7-69	36	830 -.03 36 51
12-14-0150	726406	117936	6-67	1 305 16,380 3.51 575	33 12,820 3.91 501	10-69	36	901 -.03 31 49
12-14-0150	726862	117936	7-67	1 305 14,280 4.07 581	44 11,760 3.90 459	8-69	36	815 -.03 35 50
12-14-0150	726866	117936	7-67	1 305 14,970 4.15 622	49 12,050 3.88 468	9-69	36	847 -.03 37 53
12-14-0150	728022	117936	9-67	1 305 18,080 3.78 684	29 13,470 3.88 523	11-69	36	984 -.00 38 57
12-14-0150	730132	117936	10-67	1 300 16,070 4.05 651	29 13,470 3.88 523	11-69	36	834 -.02 35 51
12-14-0150	730135	117936	10-67	1 305 15,890 4.13 656	29 13,470 3.88 523	11-69	36	821 -.03 36 51
12-15-0104	725945	117936	7-67	1 279 13,470 4.11 554	33 10,900 4.21 459	9-69	36	813 -.01 33 48
12-15-0104	726071	117936	1-67	1 276 13,790 4.05 559	35 11,290 4.20 474	10-69	36	810 -.00 32 48
12-15-0104	726074	117936	2-67	1 295 15,150 4.03 611	33 10,900 4.21 459	9-69	36	938 -.00 37 55
12-15-0104	731977	117936	7-67	1 305 15,490 4.00 619	34 11,820 4.19 495	2-70	36	901 -.00 35 52
12-15-0104	731978	117936	7-67	1 286 16,290 4.06 662	22 11,850 4.19 496	4-70	36	959 -.00 38 56
12-15-0104	735926	117936	3-68	1 305 15,510 4.02 624	26 11,840 4.19 496	3-70	36	902 -.00 35 52
12-15-0126	743793	117936	9-64	1 296 17,330 3.46 599	10 11,690 3.90 456	9-69	36	1,047 -.04 36 57
12-15-0126	743803	117936	11-66	2 305 19,925 3.67 732	14 12,420 3.90 485	3-70	40	1,361 -.03 49 76
12-15-0127	650301	119306	3-62	4 305 17,735 4.25 754	13 12,293 4.05 498	12-69	35	834 -.07 41 56
12-15-0127	709748	117936	9-66	1 305 16,780 3.56 598	18 11,730 3.85 452	7-69	36	1,004 -.03 36 56
12-16-0161	706494	117936	3-66	2 295 15,710 3.85 605	17 11,020 3.98 439	6-69	40	1,061 -.00 41 62
12-17-0130	670680	116628	9-63	4 305 20,398 3.82 779	6 15,305 3.90 597	2-69	42	981 -.01 37 56
12-18-0168	693024	117936	4-65	3 305 18,020 3.57 644	5 13,153 3.76 494	7-69	42	1,149 -.03 41 64
12-18-0168	695787	117936	7-65	2 305 18,950 3.92 742	5 13,880 3.76 522	4-69	40	1,128 -.02 47 68
12-18-0168	723456	117936	11-66	1 305 17,350 3.84 666	8 14,230 3.79 539	8-69	36	878 -.01 36 53
12-18-0168	736378	117936	3-66	2 305 16,725 3.84 642	5 13,315 3.81 507	9-69	40	954 -.01 38 56
13-01-0212	672552	117936	11-63	4 298 16,877 3.40 573	15 14,035 3.53 496	6-69	44	940 -.03 33 52
13-01-0212	680759	117936	10-63	4 305 17,747 3.90 693	23 13,615 3.67 499	10-69	44	1,094 -.03 47 67
13-01-0212	680760	117936	2-64	4 305 18,327 3.67 672	25 13,617 3.71 505	11-69	44	1,165 -.01 44 67
13-01-0212	695782	117936	4-65	3 305 17,123 3.94 675	23 13,870 3.70 513	12-69	42	972 -.03 42 60
13-01-0212	695793	117936	8-65	2 305 16,460 3.45 568	24 13,115 3.76 493	12-68	40	946 -.04 32 51
13-01-0212	709862	117936	5-66	2 305 17,025 3.82 650	22 14,340 3.65 523	8-69	40	891 -.03 38 55
13-01-0226	704890	117936	10-65	2 235 14,020 4.00 561	17 12,140 3.88 471	3-69	8 40	787 -.02 33 48
13-01-0274	687614	117936	9-64	2 302 14,910 3.66 546	13 10,780 3.85 415	2-70	40	1,002 -.02 37 57
13-01-0274	729441	117936	5-67	1 305 16,450 3.74 615	8 11,170 3.92 438	3-70	36	1,017 -.01 39 59
13-01-0275	686379	117936	3-63	3 272 14,176 3.95 560	5 11,713 3.86 452	2-70	42	856 -.01 35 51
13-01-0365	718125	117936	3-67	1 305 14,360 3.90 560	8 11,430 3.88 444	9-69	36	843 -.01 34 50
13-01-0418	665386	117936	3-63	4 297 15,290 3.62 553	11 11,082 3.84 426	6-69	44	1,072 -.03 38 59
13-01-0418	669223	117936	8-63	5 300 12,736 4.01 511	25 10,580 3.83 405	9-69	44	817 -.03 36 51
13-01-0418	685333	117936	10-64	4 288 14,220 3.75 533	18 11,725 3.84 450	2-70	44	868 -.01 33 50
13-01-0418	694382	117936	1-65	3 305 14,750 3.57 527	13 10,383 3.81 396	8-69	42	1,060 -.04 37 58
13-01-0418	696899	117936	9-65	3 305 15,003 3.97 595	19 11,786 3.82 450	2-70	42	944 -.03 40 58
13-01-0418	712974	117936	12-66	2 303 13,930 3.95 550	20 11,370 3.81 433	12-69	40	848 -.02 36 52
13-01-0418	712975	117936	12-66	2 305 18,000 3.68 663	15 12,315 3.77 464	3-70	40	1,175 -.02 44 67
13-01-0418	725582	117936	10-67	1 305 16,760 3.59 601	19 11,310 3.83 433	12-69	36	1,030 -.02 38 58
13-01-0543	686601	117936	5-64	3 277 13,363 3.89 520	5 10,683 4.08 436	4-69	42	869 -.01 33 50
13-01-0543	697332	117936	10-64	3 305 13,996 4.01 561	5 11,443 3.94 451	12-69	42	863 -.02 36 52
13-01-0543	697333	117936	11-64	2 305 15,440 3.89 601	6 10,830 4.02 435	11-68	40	1,051 -.00 41 61
13-01-0543	697735	117936	3-65	3 301 16,830 4.08 686	5 11,443 3.94 451	12-69	42	1,189 -.03 50 72
13-01-0601	641425	117936	11-61	6 284 15,480 4.33 670	22 13,206 4.03 532	2-69	44	866 -.06 41 57
13-01-0601	655080	117936	10-62	4 305 19,142 4.00 765	25 12,652 4.05 513	3-69	44	1,373 -.00 54 80
13-01-0601	677382	117936	4-64	3 304 16,093 4.18 673	25 12,660 4.01 508	2-69	42	978 -.04 43 61
13-01-0601	685348	117936	11-64	3 305 15,456 4.23 654	18 12,526 4.05 507	6-69	42	919 -.04 41 58
13-01-0601	691094	117936	3-65	3 299 15,770 4.09 645	20 11,763 4.02 473	9-69	42	1,034 -.02 43 63
13-01-0601	695039	117936	7-65	2 305 16,370 3.94 645	26 12,820 4.06 520	2-69	40	963 -.01 37 56
13-01-0601	698227	117936	9-65	2 305 14,965 4.30 644	23 12,445 4.04 503	8-69	40	855 -.05 39 55
13-01-0601	698726	117936	10-63	4 304 17,947 3.91 701	17 12,787 4.05 518	3-69	44	1,211 -.01 46 70
13-01-0601	698727	117936	11-63	4 287 16,662 3.72 620	13 12,682 4.05 513	3-69	44	1,064 -.05 36 57
13-01-0601	700313	117936	11-65	2 298 16,160 4.31 697	11 12,365 4.06 502	5-69	40	984 -.05 44 62
13-01-0601	700314	117936	12-65	2 305 15,035 4.06 611	12 12,070 4.06 490	7-69	40	896 -.02 37 54
13-01-0601	714243	117936	12-66	1 305 14,500 4.57 662	22 12,500 4.07 509	8-69	36	782 -.05 37 51
13-02-0012	652214	117936	7-62	6 298 15,866 3.65 579	28 12,926 4.07 526	6-69	44	948 -.06 30 50
13-02-0012	662751	117936	4-63	5 298 17,716 4.27 757	13 13,164 4.10 540	11-69	44	1,159 -.05 52 73
13-02-0012	673977	117936	12-63	4 302 16,245 4.15 674	20 12,965 4.15 538	9-69	44	981 -.01 40 59
13-02-0012	680610	117936	5-64	3 305 18,196 3.95 718	17 13,406 4.16 558	4-69	42	1,143 -.01 43 65
13-02-0012	680613	117936	6-64	4 303 14,880 4.07 605	15 12,930 4.17 539	9-69	44	816 -.00 32 48
13-02-0012	686433	117936	9-64	3 305 17,883 4.18 747	20 13,560 4.18 567	4-69	42	1,091 -.02 45 66
13-02-0012	696825	117936	9-65	2 305 19,240 4.14 797	22 13,600 4.22 574	4-69	40	1,183 -.01 48 71
13-02-0012	696826	117936	10-65	2 294 15,210 4.31 656	22 13,130 4.24 557	7-69	40	817 -.03 35 50
13-02-0012	698365	117936	4-65	2 303 17,225 4.12 709	22 13,600 4.22 574	4-69	40	979 -.01 39 56
13-02-0012	698366	117936	11-65	1 305 19,610 3.92 768	17 12,320 4.16 512	6-69	36	1,175 -.01 48 70

TABLE 1. AYRSHIRE USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COM'S AVERAGE PRODUCTION.. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..OOL- LARS		
13-02-0012	700279	117936	1-66	2 305	15,400	4.42	681	23	13,480	4.21	568	5-69	40	805	.05	37	\$ 52
13-02-0012	709981	117936	9-66	1 305	16,760	3.83	642	12	13,380	4.10	548	11-69	36	891	-.01	33	51
13-02-0012	721238	117936	4-66	2 305	14,695	4.44	653	12	13,240	4.19	555	10-69	40	755	.05	35	49
13-02-0012	721239	117936	4-66	2 305	16,410	3.98	653	21	13,125	4.22	554	9-69	40	940	-.01	35	53
13-02-0012	721240	117936	4-66	2 296	15,745	4.51	710	12	13,240	4.19	555	10-69	40	862	.06	41	56
13-02-0012	721242	117936	5-66	2 305	18,315	4.14	758	20	13,220	4.18	553	6-69	40	1,124	.02	46	67
13-02-0012	723853	117936	1-67	1 305	17,870	3.88	693	12	13,380	4.10	548	11-69	36	974	-.01	37	56
13-02-0012	723854	117936	1-67	1 305	15,760	4.09	645	12	13,380	4.10	548	11-69	36	817	.01	33	49
13-02-0012	723856	117936	3-67	1 286	18,310	4.13	756	12	13,380	4.10	548	11-69	36	1,007	.02	42	61
13-02-0012	723857	117936	4-67	1 305	16,800	4.23	710	17	13,670	4.15	567	1-70	36	875	.02	37	53
13-02-0012	730138	117936	8-67	1 305	17,640	4.43	781	13	13,190	4.17	550	3-70	36	970	.04	43	61
13-02-0012	744415	117936	5-67	1 305	18,090	4.18	757	12	13,380	4.10	548	11-69	36	991	.03	42	61
13-02-0089	694992	117936	12-63	4 299	12,272	4.56	560	6	10,812	3.91	423	3-70	44	729	.09	39	51
13-02-0089	702309	117936	10-65	3 305	14,580	4.36	636	5	11,546	3.99	461	3-70	42	920	.06	43	60
13-02-0099	697277	117936	8-65	2 305	14,930	4.51	673	7	13,290	4.07	541	10-69	40	774	.07	38	52
13-02-0099	697280	117936	8-65	2 305	17,755	3.84	681	7	13,000	4.09	532	9-69	40	1,088	-.02	40	61
13-02-0099	706510	117936	4-66	1 305	16,750	3.73	624	6	12,910	4.03	520	9-69	36	922	-.02	34	52
13-02-0099	715231	117936	10-66	1 302	15,600	4.01	626	6	12,910	4.03	520	9-69	36	837	.01	34	50
13-02-0099	715232	117936	11-66	1 305	17,950	4.22	757	6	12,910	4.03	520	9-69	36	1,012	.04	44	63
13-02-0099	715233	117936	11-66	1 305	16,320	4.12	673	6	12,910	4.03	520	9-69	36	890	.02	37	54
13-02-0105	662557	117936	3-63	4 305	12,552	3.84	482	19	9,187	4.20	386	5-69	44	945	-.02	34	53
13-02-0105	684534	117936	7-64	4 305	12,622	4.14	523	14	9,610	4.11	395	3-70	44	906	.02	38	55
13-02-0105	701397	117936	4-66	1 305	12,930	4.16	538	29	9,540	4.19	400	10-68	36	864	.01	35	51
13-04-0501	719284	117936	1-67	1 305	15,380	3.93	605	11	13,220	3.82	505	6-69	36	799	.02	33	48
13-06-0130	647588	117936	10-61	6 303	13,600	4.07	553	12	11,373	3.99	454	12-69	44	836	.02	35	51
13-06-0130	657434	117936	12-62	4 293	13,055	4.26	556	11	10,942	3.96	433	2-69	44	812	.04	37	52
13-06-0130	659671	117936	1-63	4 302	14,642	4.30	629	10	11,575	4.03	466	11-69	44	937	.05	43	60
13-06-0130	677410	117936	9-63	2 295	15,525	4.04	627	9	12,485	3.86	482	3-70	40	908	.03	39	56
13-06-0130	697914	117936	6-65	3 301	16,030	4.13	662	9	12,290	3.99	490	12-69	42	1,009	.03	43	62
13-06-0130	697917	117936	10-65	1 305	16,420	3.51	577	11	11,770	3.81	449	1-69	36	974	-.03	35	54
13-06-0130	715318	117936	12-66	1 305	14,080	4.05	570	8	10,690	4.07	435	7-69	36	872	.01	35	52
13-06-0219	698524	117936	8-65	3 297	14,060	3.91	550	25	11,616	3.92	455	9-69	42	853	.01	34	50
13-06-0219	716129	117936	4-66	2 303	13,235	4.13	547	16	10,830	3.90	422	11-69	40	827	.03	36	51
13-06-0219	716130	117936	7-66	1 304	13,060	4.30	562	21	10,920	3.93	429	9-69	36	781	.04	35	49
13-06-0219	716131	117936	7-66	2 305	16,045	4.00	641	8	12,005	3.87	465	1-70	40	1,005	.02	42	61
13-09-0106	726252	117936	4-67	1 305	14,140	3.93	556	68	11,730	3.99	468	11-69	36	807	.00	32	48
13-09-0252	722406	117936	1-66	2 305	16,515	4.09	675	24	12,815	3.91	501	3-70	40	979	.03	42	60
13-09-0252	723694	117936	6-67	1 305	17,360	3.62	629	32	13,210	3.97	525	11-69	36	948	-.03	34	53
13-09-0427	665933	117936	3-63	5 301	16,730	3.93	658	22	13,108	3.80	498	7-69	44	1,038	.03	44	63
13-09-0427	665934	117936	3-63	5 295	15,458	3.98	616	24	13,154	3.81	501	8-69	44	869	.03	38	54
13-09-0427	690928	117936	2-65	3 301	17,366	3.85	669	29	13,836	3.81	527	9-69	42	1,003	.01	40	59
13-09-0427	721370	117936	3-67	1 305	17,540	3.89	683	25	14,070	3.84	540	8-69	36	903	.01	37	54
13-09-0427	721374	117936	2-67	1 305	20,360	3.23	658	19	13,830	3.81	527	7-69	36	1,129	-.07	36	59
13-09-0427	726247	117936	3-67	1 305	19,360	3.45	668	14	14,210	3.82	543	1-70	36	1,030	-.04	35	56
13-09-0736	680059	117936	2-63	5 294	14,810	3.68	545	11	12,172	3.82	465	12-69	44	899	-.02	33	51
13-09-0736	680060	117936	3-63	5 300	14,650	3.67	537	8	11,886	3.83	455	4-70	44	912	-.02	33	51
13-09-0736	708251	117936	7-66	2 305	15,855	3.75	594	9	11,500	3.90	448	2-70	40	1,032	-.01	39	59
13-09-0736	721383	117936	9-66	1 295	18,150	3.76	683	12	12,160	3.92	477	10-69	36	1,077	-.01	41	62
13-09-0736	735594	117936	9-66	1 305	15,130	3.83	579	11	11,700	3.97	465	7-69	36	883	.00	34	51
13-11-0217	659211	117936	10-62	4 301	15,782	4.27	674	5	11,940	4.02	480	5-69	44	1,037	.05	47	66
13-11-0217	673146	117936	9-63	4 305	15,237	4.10	625	7	11,932	3.99	476	4-70	44	971	.03	41	59
13-11-0217	699923	117936	11-65	2 305	18,350	3.92	719	11	12,585	3.99	502	10-69	40	1,186	.00	46	69
13-12-0174	721214	117936	3-67	1 305	16,060	3.54	569	7	11,960	3.80	455	4-69	36	935	-.02	34	52
13-14-0180	659409	117936	9-62	3 305	17,016	4.24	722	8	12,140	3.91	475	6-69	42	1,138	.06	52	73
13-14-0180	701786	116628	8-64	3 305	19,207	3.29	632	14	12,620	3.98	502	10-69	41	1,086	-.12	28	51
13-14-0180	709444	117936	10-65	2 305	16,065	3.96	636	10	12,290	3.97	488	3-69	40	981	.01	39	58
14-10-0001	710369	117936	12-63	4 301	14,982	3.62	542	24	11,047	3.92	433	1-70	44	1,038	-.04	36	57
14-10-0001	718898	117936	8-66	1 305	16,540	3.92	649	21	11,000	4.09	450	8-69	36	1,035	.00	40	60
14-12-0001	712744	117936	10-66	2 305	14,800	4.01	594	37	11,940	4.05	483	1-70	40	884	.01	36	53
14-12-0001	712745	117936	10-66	2 305	15,080	3.87	583	30	12,240	3.99	488	2-70	40	885	.00	34	51
14-12-0001	715558	117936	2-67	1 305	15,560	4.31	670	21	12,660	4.14	524	8-69	36	850	.03	37	53
14-12-0001	719755	117936	4-67	1 305	17,300	4.34	751	21	12,660	4.14	524	8-69	36	980	.04	43	61
14-12-0001	726902	117936	12-66	1 305	17,680	3.99	706	29	13,040	4.12	537	9-69	36	983	.01	39	58
14-12-0001	733270	117936	12-67	1 305	15,480	3.95	611	32	12,920	3.99	516	1-70	36	827	.01	33	49
14-12-0202	637696	117936	8-61	5 296	13,576	3.71	503	26	9,636	3.95	381	4-69	44	1,035	-.03	37	58
14-12-0202	701471	117936	11-65	2 305	14,110	3.90	550	22	9,810	3.89	382	11-69	40	1,009	.00	40	59
14-12-0202	701827	117936	1-66	2 305	12,110	3.97	481	19	9,050	3.89	352	9-69	40	875	.02	36	53
14-12-0202	706238	117936	4-66	2 305	15,030	4.11	618	20	10,170	3.84	391	12-69	40	1,069	.03	46	66
14-12-0202	713656	117936	1-67	1 283	12,010	3.96	476	28	9,230	3.91	361	9-69	36	816	.01	33	49
14-12-0217	667972	117936	5-63	4 305	12,927	3.91	506	13	9,687	3.93	381	3-69	44	935	.00	37	55
14-12-0321	734427	117936	10-67	1 305	14,500	3.68	534	12	10,720	3.96	425	4					

TABLE 1. AYRSHIRE USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS			
14-16-0015	725010	117936	12-66	1 305	20,560	3.49	718	27	16,560	3.91	647	9-69	36	961	-.05	32	\$ 51
14-16-0015	725012	122242	1-67	1 305	22,070	4.12	909	47	16,680	3.76	627	10-69	27	744	-.08	38	51
14-16-0015	725016	117936	3-67	1 305	18,120	4.07	738	27	16,560	3.91	647	9-69	36	780	-.03	34	48
14-16-0015	725017	117936	3-67	1 305	18,200	3.96	721	46	16,370	3.81	624	11-69	36	798	-.02	34	49
14-16-0015	728536	117936	8-67	1 305	22,110	3.23	715	39	16,370	3.65	597	2-70	36	1,090	-.06	35	57
14-16-0015	731949	117936	8-67	1 305	21,360	4.01	856	45	16,240	3.68	598	12-69	36	1,042	-.04	46	65
14-16-0015	734197	117936	8-67	1 305	23,280	3.58	833	39	16,370	3.65	597	2-70	36	1,177	-.02	44	67
14-16-0109	677751	116628	8-63	4 288	16,768	4.24	711	12	13,025	4.02	523	2-70	42	781	-.05	36	50
14-16-0109	724155	117936	1-67	1 305	19,350	3.99	773	15	11,260	4.22	475	8-69	36	1,227	-.00	48	72
14-16-0109	724159	117936	8-67	1 305	13,470	5.09	685	19	11,130	4.22	470	10-69	36	797	-.09	42	56
14-16-0109	731495	117936	12-67	1 305	16,340	4.27	698	13	10,970	4.16	456	11-69	36	1,022	-.03	44	63
14-17-0040	709038	117936	9-66	1 305	15,720	4.02	632	11	12,700	4.00	508	3-69	36	860	-.01	35	51
15-11-0115	701829	117936	2-66	2 305	14,530	3.58	520	8	11,060	3.67	406	8-69	40	937	-.01	35	53
15-11-0116	659567	117936	2-63	4 305	19,712	3.87	763	19	11,620	3.97	461	6-69	44	1,558	-.01	60	90
15-11-0116	729345	117936	5-67	1 305	16,380	3.58	586	23	12,210	3.86	471	8-69	H 36	942	-.02	34	53
15-11-0116	729346	117936	5-67	1 305	15,190	3.75	570	23	12,210	3.86	471	8-69	36	853	-.00	33	50
15-11-0131	739508	117936	7-66	2 305	14,940	3.86	577	16	12,350	3.87	478	11-69	40	861	-.00	34	51
15-11-0131	739510	117936	3-67	1 305	13,700	4.52	619	18	12,030	3.91	470	9-69	36	754	-.06	37	50
15-11-0131	747145	117936	9-66	1 305	17,700	4.01	709	16	11,210	3.84	431	8-69	36	1,107	-.02	46	67
15-11-0131	752787	117936	7-67	1 305	15,180	4.05	615	9	13,370	3.72	498	4-70	36	774	-.03	34	48
15-11-0143	684178	117936	11-64	3 305	15,003	3.85	577	28	11,783	3.88	457	11-69	42	944	-.00	37	55
15-11-0152	720317	117936	1-67	1 305	16,210	4.07	659	9	12,620	3.71	468	7-69	36	901	-.04	40	57
16-06-0055	687302	117936	2-64	3 297	17,780	4.41	784	27	12,696	4.11	522	3-69	42	1,169	-.07	54	75
16-06-0055	721765	117936	8-66	1 197	17,360	3.82	664	22	12,850	4.02	517	10-69	8 36	972	-.01	37	56
16-06-0127	681095	117936	3-64	4 300	12,670	3.68	466	22	10,130	3.80	385	7-69	44	854	-.01	32	49
16-06-0127	708002	117936	2-66	2 305	14,895	3.50	521	21	10,480	3.71	389	6-69	40	1,027	-.03	37	57
16-06-0127	717532	117936	2-67	1 305	15,400	3.14	483	22	10,430	3.76	392	8-69	36	988	-.05	32	52
16-06-0136	613095	119554	11-59	6 305	15,063	4.53	683	29	11,565	3.93	454	8-69	43	680	-.09	37	48
16-06-0152	662299	117936	3-63	5 297	14,448	4.01	580	31	12,294	4.08	501	12-69	44	838	-.00	33	49
16-06-0152	689232	117936	3-65	3 298	14,893	3.99	594	40	11,686	4.10	479	11-69	42	941	-.00	37	55
16-06-0152	704554	117936	4-66	1 305	16,130	3.89	627	52	10,780	4.11	443	8-69	36	1,019	-.01	39	59
16-06-0152	708789	117936	7-66	1 305	15,720	4.13	650	38	11,440	4.20	481	11-69	36	944	-.01	38	56
16-06-0152	713277	117936	11-66	1 305	16,670	4.30	716	16	12,520	4.23	530	4-70	36	942	-.03	40	58
16-06-0152	714475	117936	12-66	1 305	15,860	4.50	713	38	11,440	4.20	481	11-69	36	954	-.05	43	60
16-06-0152	714478	117936	1-67	1 305	15,230	4.24	645	52	10,780	4.11	443	8-69	36	952	-.02	40	58
16-06-0152	716141	117936	4-67	1 305	12,350	5.13	634	53	10,860	4.15	451	9-69	36	732	-.09	39	51
16-06-0152	716143	117936	3-67	1 305	18,440	4.45	821	34	11,770	4.23	498	12-69	36	1,125	-.05	50	71
16-06-0152	716144	117936	3-67	1 305	12,810	4.81	616	38	11,440	4.20	481	11-69	36	727	-.06	36	49
16-06-0152	725706	117936	9-67	1 305	15,640	4.02	628	30	12,290	4.30	528	1-70	36	881	-.01	33	50
16-06-0152	725707	117936	5-67	1 299	13,860	3.99	553	52	10,780	4.11	443	8-69	36	850	-.01	34	50
16-06-0152	725708	117936	8-67	1 298	13,400	4.49	601	52	10,780	4.11	443	8-69	36	815	-.04	37	52
16-06-0152	725710	117936	6-67	1 305	17,110	4.50	770	23	12,440	4.27	531	3-70	36	981	-.05	44	62
16-06-0345	676882	117936	11-63	4 291	12,870	4.20	540	11	11,045	4.16	460	1-70	44	777	-.02	33	48
16-06-0345	728183	117936	8-67	1 305	14,210	4.39	624	10	11,880	4.06	482	3-70	36	802	-.04	36	51
16-06-0345	739429	117936	12-67	1 305	16,490	3.89	641	7	12,380	3.90	483	4-70	36	938	-.00	37	55
16-06-0348	680660	117936	2-64	3 305	18,773	3.93	738	14	12,306	3.95	486	3-69	42	1,323	-.00	52	77
16-06-0348	719998	117936	3-67	1 305	14,410	4.05	584	31	12,020	3.83	460	7-69	36	808	-.03	35	50
16-10-0027	703892	117936	3-66	1 305	16,710	3.63	607	18	12,800	3.91	501	4-69	36	927	-.02	34	52
16-10-0027	709721	117936	9-66	1 305	14,990	4.06	609	16	11,940	4.08	487	7-69	36	856	-.01	35	51
16-10-0027	717807	117936	3-67	1 305	15,720	4.37	687	11	11,980	4.02	481	11-69	36	908	-.05	41	58
16-10-0027	721290	117936	6-66	1 305	16,440	3.95	649	16	11,690	4.05	473	8-69	36	981	-.01	39	58
16-10-0027	721292	117936	8-66	1 305	16,280	3.65	594	18	12,800	3.91	501	4-69	36	895	-.02	33	51
16-12-0006	669969	106285	9-63	4 304	17,885	4.10	734	28	12,470	3.87	482	8-69	42	775	-.06	37	51
16-12-0006	712274	117936	10-66	2 299	19,105	3.62	691	22	13,745	3.85	529	12-69	40	1,156	-.03	41	64
16-12-0006	712467	117936	10-66	1 305	15,660	3.75	588	27	12,500	3.60	450	7-69	36	869	-.02	36	52
16-12-0006	712468	117936	10-66	1 305	17,470	3.84	671	27	12,500	3.60	450	7-69	36	1,003	-.02	42	61
16-12-0164	674607	117936	8-63	3 283	14,406	3.76	542	9	11,123	3.90	434	11-69	H 42	943	-.02	35	54
16-12-0164	726081	117936	6-67	1 305	14,970	3.85	576	11	11,340	3.69	418	11-69	36	895	-.02	37	54
16-16-0156	662554	117936	3-63	5 266	17,162	3.93	675	7	12,808	3.82	489	12-69	8 44	1,129	-.02	47	68
21-03-0438	721897	117936	3-66	1 305	13,790	3.63	501	5	9,950	3.72	370	8-69	36	900	-.00	35	52
21-03-0438	721898	117936	7-66	1 305	12,760	3.79	483	7	10,090	3.70	373	9-69	36	814	-.01	33	49
21-04-0134	690727	117936	3-65	3 305	12,613	3.65	461	30	9,766	3.88	379	10-69	42	878	-.02	32	49
21-04-0134	690730	117936	4-65	3 305	12,133	4.38	532	28	9,826	3.92	385	11-69	42	816	-.06	39	54
21-04-0134	698525	117936	6-65	3 305	13,106	3.57	468	33	9,730	3.95	384	10-69	42	938	-.04	32	51
21-04-0134	698528	117936	10-65	2 305	13,800	3.52	486	17	9,905	3.72	368	5-69	40	969	-.02	35	54
21-04-0134	698531	117936	1-66	2 305	14,650	3.87	567	21	9,995	3.78	378	3-69	40	1,047	-.01	42	62
21-04-0311	653923	117936	3-62	6 297	15,396	3.87	596	7	13,103	3.80	498	11-69	44	867	-.02	36	52
21-04-0311	656620	117936	11-62	5 301	15,920	3.99	636	10	13,628	3.71	506	2-70	44	873	-.05	40	56
21-04-0311	659365	117936	9-62	5 305	16,268	3.77	613	6	12,874	3.81	491	7-69	44	1,006	-.00	39	58
21-04-0311	661369	117936	9-62	5 303	16,034	3.59	576	9	13,092	3.76	492	9-69	44	950	-.03	34	53

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (L8)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C REPT	.....C O W MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS		
21-09-0077	687475	117936	7-64	4 278	12,662	4.08	516	25	10,177	3.89	396	1-70	44	848	.03	37	\$ 53
21-09-0077	694672	117936	2-65	3 288	12,390	3.80	471	21	9,806	3.90	382	3-70	42	848	-.01	32	49
21-09-0077	694676	117936	3-65	2 305	12,660	4.15	525	16	10,195	3.87	395	2-70	40	827	.04	37	52
21-09-0077	694689	117936	4-65	2 305	12,630	4.13	522	17	10,590	3.85	408	12-69	40	788	.04	35	49
21-09-0077	699556	117936	10-65	2 277	15,205	4.11	625	20	11,530	3.86	445	1-70	40	963	.04	42	60
21-09-0077	717662	117936	5-65	2 289	13,410	3.70	496	25	9,750	3.94	384	5-69	40	943	-.02	35	54
21-09-0077	717668	117936	2-67	1 305	12,630	3.97	502	29	9,550	3.93	375	9-69	36	841	.01	34	50
21-09-0081	663794	117936	11-62	4 305	13,792	4.03	556	21	10,912	3.88	423	11-68	44	906	.03	39	56
21-09-0081	670109	117936	5-63	5 305	12,382	4.33	536	15	11,096	3.87	429	12-69	44	711	.07	36	48
21-09-0081	699739	117936	6-65	3 294	14,913	3.79	565	16	10,743	3.82	410	2-70	42	1,041	-.01	40	60
21-09-0081	699740	117936	7-65	3 305	15,766	3.65	575	12	11,466	3.81	437	3-70	42	1,064	-.02	39	60
21-09-0081	699741	117936	7-65	3 291	14,903	3.80	566	10	11,370	3.79	431	3-70	42	975	.00	38	57
21-09-0081	699742	117936	7-65	2 305	18,500	3.71	687	8	13,045	3.66	478	4-69	40	1,159	.00	45	67
21-09-0081	704960	117936	12-65	2 304	17,390	4.03	701	20	10,950	3.80	416	10-69	40	1,238	.04	53	76
21-09-0081	709714	117936	3-66	2 305	16,805	3.77	633	20	10,730	3.80	408	10-69	40	1,199	-.01	46	69
21-09-0092	699337	117936	8-65	2 305	16,120	4.10	661	13	12,600	3.90	491	1-70	40	958	.04	42	60
21-09-0374	663657	117936	3-63	4 298	14,382	4.16	598	13	11,842	3.93	465	7-69	44	875	.04	39	55
21-09-0374	671625	117936	11-63	4 290	14,437	3.98	575	17	11,977	3.93	471	12-69	44	867	.02	36	52
21-09-0374	677729	117936	4-64	3 243	17,313	4.20	728	11	11,613	3.91	454	1-69	8 42	1,227	.05	54	77
21-09-0374	697691	117936	3-65	4 297	16,230	3.80	616	13	12,440	3.92	488	2-70	44	1,037	-.01	39	59
21-09-0374	709797	117936	9-66	2 305	15,625	3.77	589	11	13,270	3.93	521	1-70	40	847	-.01	32	49
21-09-0374	723051	117936	5-67	1 305	19,290	3.59	693	15	12,430	3.97	494	10-69	36	1,144	-.03	41	64
21-09-0387	610162	117936	5-59	5 305	16,416	3.61	593	8	10,822	3.76	407	5-69	44	1,263	-.03	46	71
21-09-0387	724172	117936	8-66	1 305	14,440	3.82	551	10	12,040	3.69	444	10-69	36	808	.01	33	48
21-10-0092	724821	117936	12-66	2 283	14,405	4.11	592	12	11,940	4.12	492	4-70	40	844	.02	35	51
21-10-0109	613379	117936	7-59	8 301	15,336	3.83	588	23	11,842	3.94	467	9-69	44	1,005	-.01	38	58
21-10-0109	688835	117936	8-63	5 288	15,286	3.77	577	20	12,942	3.96	512	1-70	44	871	-.02	32	49
21-10-0109	704614	117936	3-66	2 305	15,265	4.06	619	21	12,260	4.00	490	10-69	40	902	.01	37	54
21-10-0109	709288	117936	9-66	1 305	15,530	4.11	639	25	13,220	4.20	555	11-69	36	811	.00	32	48
21-10-0109	710842	117936	9-62	1 305	17,630	3.59	633	23	13,240	4.20	556	12-69	36	966	-.05	32	52
21-10-0109	710845	117936	12-62	1 305	14,440	4.52	653	17	12,160	4.05	492	7-69	36	800	.06	38	52
21-10-0109	710861	117936	6-64	3 305	14,143	4.04	571	18	12,316	3.99	491	8-69	42	790	.02	33	48
21-10-0109	710862	117936	7-64	3 305	14,853	4.12	612	21	12,720	4.06	517	10-69	42	830	.02	35	51
21-10-0109	710867	117936	9-64	3 299	14,823	4.29	636	21	13,263	4.02	533	1-70	42	770	.05	36	50
21-10-0109	710869	117936	10-64	3 305	15,913	4.15	660	18	12,430	3.99	496	7-69	42	981	.03	42	60
21-10-0109	710874	117936	3-65	3 301	15,603	3.79	591	21	12,600	4.06	511	9-69	42	928	-.03	33	51
21-10-0109	710891	117936	8-66	1 305	15,050	4.10	617	22	12,410	4.08	506	8-69	36	829	.01	34	50
21-10-0449	657496	117936	9-62	5 304	16,236	3.88	630	29	11,616	4.01	466	9-69	44	1,148	-.01	44	66
21-10-0449	657505	117936	8-62	5 303	13,230	3.85	510	32	10,668	4.05	432	8-69	44	870	-.02	32	49
21-10-0449	657506	117936	10-62	4 305	17,952	3.74	672	32	10,795	4.02	434	9-69	44	1,433	-.03	52	80
21-10-0449	687351	117936	10-63	4 298	15,950	3.97	634	32	12,057	4.06	489	2-70	44	1,045	.00	41	61
21-10-0449	687678	117936	11-64	2 305	15,555	3.87	602	28	11,050	4.00	442	12-68	40	1,042	-.01	40	60
21-10-0449	687682	117936	11-64	3 301	13,626	3.96	540	29	10,830	3.99	432	4-70	42	884	.00	35	52
21-10-0449	696937	117936	4-65	3 298	14,223	3.89	553	33	10,963	4.01	440	12-69	42	939	-.01	36	54
21-10-0449	696953	117936	10-65	2 305	14,880	4.20	625	32	11,180	4.03	450	11-69	40	962	.04	42	60
21-10-0449	702901	117936	9-65	2 188	15,240	4.07	620	16	10,810	4.04	437	5-69	40	1,032	.01	42	62
21-10-0449	705078	117936	9-65	2 305	14,165	4.00	566	28	11,710	4.00	468	3-69	40	841	.01	34	50
21-10-0449	717941	117936	9-66	2 305	17,010	3.99	679	27	12,275	4.00	491	12-69	40	1,078	.01	43	64
21-10-0449	719552	117936	10-66	1 305	18,640	3.70	689	33	11,020	4.07	449	7-69	36	1,190	-.03	43	67
21-11-0552	674840	117936	8-62	5 281	17,970	3.95	709	12	14,454	4.08	590	4-69	8 44	1,042	-.01	40	60
21-11-0552	674849	117936	2-63	4 254	19,255	3.92	755	8	14,142	4.16	588	6-69	8 44	1,222	-.02	45	69
21-11-0552	674864	117936	2-63	4 259	19,270	3.77	727	10	13,825	4.13	571	6-69	8 44	1,259	-.05	43	68
21-11-0552	687843	117936	1-65	2 305	16,790	4.03	677	15	13,330	3.93	524	11-68	40	959	.02	40	58
21-11-0552	707026	117936	1-66	1 305	20,040	3.69	740	20	12,410	3.80	472	10-68	36	1,201	-.01	46	69
21-11-0552	707031	117936	7-66	1 305	16,930	4.05	685	20	12,450	3.80	473	9-68	36	966	.03	41	59
21-11-0552	718108	117936	9-66	1 305	16,700	4.01	670	20	12,450	3.80	473	9-68	36	949	.02	40	58
21-12-0074	611247	117936	8-59	8 290	13,445	4.45	598	15	12,013	4.13	496	3-69	44	742	.06	36	49
21-12-0074	680869	117936	9-63	5 257	14,886	4.13	615	11	11,862	4.06	482	3-70	8 44	945	.03	40	58
21-12-0074	680870	117936	10-63	3 268	15,890	3.57	568	16	11,866	4.05	480	1-70	8 42	1,037	-.06	33	54
21-12-0074	680871	117936	2-64	3 249	15,343	4.16	639	20	12,123	4.08	495	9-68	8 42	948	.02	40	58
21-12-0074	704607	117936	4-66	2 207	14,835	3.91	580	11	12,200	4.16	507	4-70	8 40	864	-.01	32	49
21-12-0074	711441	117936	9-66	1 305	15,970	3.67	586	11	12,610	4.02	507	8-69	36	884	-.02	32	49
21-12-0074	735962	117936	9-67	1 146	15,070	3.99	601	8	12,190	4.04	492	3-70	8 36	845	.01	34	50
21-12-0231	605185	117936	11-58	9 299	13,766	4.08	561	18	12,045	3.93	473	11-69	44	779	.03	34	48
21-12-0231	661989	117936	1-63	5 292	15,948	3.64	581	11	12,456	3.91	487	7-69	44	1,013	-.04	35	55
21-12-0231	665449	117936	2-63	5 297	14,624	3.80	555	13	11,910	3.90	464	1-70	44	906	-.01	34	52
21-12-0231	676281	117936	11-63	5 285	15,536	3.91	608	13	12,202	3.89	475	2-70	44	989	.01	40	59
21-12-0231	676282	117936	11-63	5 300	15,918	3.79	604	16	12,332	3.88	479	3-70	44	1,024	-.01	39	59
21-12-0231	693514	117936	6-65	3 303	16,943	4.00	677	14	12,610	3.83	483	1-70	42	1,081	.03	46	66
21-12-0231	702471	117936	12-65	3 292	15,570	3.94	614	11	12,346	3.83	473	4-70	42	951	.02	39	57
21-12-0397	673207	117936	10-63	4 299	13,237												

TABLE 1. AYRSHIRE USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8) FAT (L8) FAT (%)	..HEROMATE AVERAGES.. NO. MILK (L8) FAT (%) FAT (%)	LAST T CALVD C REPT MO-YR O (%)C O W MILK (L8) FAT (%) FAT (%)	I N O E X..... FAT (L8) FAT (%) DOL- LARS
21-13-0666	672544	117936	8-63	5 298 14,526 3.81 554	18 11,474 4.05 465	1-70 44	944 -.02 34 \$ 53	
21-13-0666	685998	117936	6-64	4 304 14,970 4.07 609	18 11,570 4.04 467	11-69 44	978 .01 40 59	
21-13-0666	724214	117936	3-67	1 305 14,990 3.90 584	24 11,160 3.93 439	8-69 36	908 .00 36 53	
21-13-0666	731761	117936	6-67	1 304 16,070 3.40 546	13 11,560 3.96 458	2-70 36	962 -.05 32 52	
21-14-0263	673869	117936	9-63	5 286 12,142 4.34 527	5 10,766 3.98 429	12-69 44	718 .06 35 48	
21-14-0453	686200	117936	3-64	3 305 15,010 4.34 652	19 12,323 3.90 481	9-69 42	889 .07 43 59	
21-14-0453	689109	117936	10-64	4 305 13,397 4.52 605	8 12,277 3.92 481	3-70 44	706 .09 38 50	
21-14-0453	696535	117936	8-65	3 305 15,650 4.20 657	20 12,963 3.86 500	10-69 42	896 .06 42 58	
21-14-0453	696537	117936	8-65	3 305 15,316 4.05 621	10 12,593 3.89 490	3-70 42	896 .03 39 56	
21-14-0453	697742	117936	11-65	2 305 14,075 3.99 561	15 11,890 3.87 460	6-69 40	815 .02 34 49	
21-14-0453	713470	117936	10-66	1 305 14,570 4.21 613	8 11,580 3.87 448	4-69 36	849 .04 38 54	
21-16-0017	611317	117936	9-59	7 267 14,677 3.91 574	12 11,035 4.04 446	11-69 44	1,014 .00 39 59	
21-16-0017	646366	117936	12-61	6 302 14,865 4.03 599	20 12,035 3.93 473	9-69 44	922 .02 39 56	
21-16-0017	659522	117936	11-62	5 298 15,220 4.04 615	9 10,798 3.89 420	12-69 44	1,112 .03 47 68	
21-16-0017	660440	117936	11-62	5 297 14,924 3.80 567	13 12,414 3.91 485	1-70 44	886 -.01 33 50	
21-16-0017	660441	117936	11-62	4 294 15,237 3.81 581	17 12,160 3.92 477	9-68 44	946 -.01 36 54	
21-16-0017	661366	117936	12-62	5 305 16,526 3.82 632	13 12,098 3.96 479	4-70 44	1,129 -.01 43 65	
21-16-0017	663048	117936	2-63	4 304 20,580 3.86 795	16 11,915 3.90 465	2-69 44	1,633 -.01 63 95	
21-16-0017	663640	117936	12-62	5 299 19,228 3.95 760	13 12,654 3.88 491	4-69 44	1,413 .02 58 85	
21-16-0017	664111	117936	3-63	5 301 13,942 4.00 558	17 12,260 3.92 481	10-69 44	777 .02 33 48	
21-16-0017	664112	117936	4-63	4 305 18,290 3.97 727	13 12,167 3.92 477	3-69 44	1,322 .02 54 79	
21-16-0017	664116	117936	6-63	5 295 15,136 3.98 602	15 12,122 3.98 482	11-69 44	947 .01 38 56	
21-16-0017	668628	117936	9-63	4 304 14,887 4.24 631	16 11,910 3.93 468	12-69 44	930 .06 43 60	
21-16-0017	668630	117936	10-63	4 286 14,807 4.27 632	17 12,027 3.93 473	10-69 44	907 .05 42 58	
21-16-0017	674174	117936	11-63	3 299 17,580 3.98 700	8 10,753 3.80 409	12-68 42	1,347 .03 56 81	
21-16-0017	674177	117936	1-64	4 303 15,477 3.99 617	10 11,307 3.93 444	5-69 44	1,070 .02 44 64	
21-16-0017	677982	117936	2-64	4 302 13,760 4.28 589	19 11,890 3.96 471	9-69 44	793 .05 37 51	
21-16-0017	677983	117936	2-64	4 302 15,327 3.76 577	18 11,840 3.98 471	8-69 44	992 -.02 36 56	
21-16-0017	683354	117936	10-63	3 223 15,663 3.77 590	10 12,666 3.86 489	12-69 8 42	928 -.01 35 53	
21-16-0017	683928	117936	4-64	4 305 14,935 3.98 594	19 12,007 3.95 474	10-69 44	925 .02 38 56	
21-16-0017	684858	117936	9-64	3 302 15,920 4.32 687	18 12,116 4.00 485	8-69 42	1,015 .06 47 65	
21-16-0017	684863	117936	10-64	3 305 17,546 4.30 755	13 12,343 3.91 483	2-70 42	1,178 .07 55 76	
21-16-0017	691137	117936	7-64	2 197 15,655 3.87 606	7 12,430 3.81 473	3-70 8 40	926 .02 38 56	
21-16-0017	697891	117936	7-65	2 213 16,200 4.25 688	7 12,280 3.88 477	3-70 8 40	996 .06 46 64	
21-16-0017	703678	117936	12-63	3 305 14,053 3.85 541	11 11,223 4.03 452	6-69 42	892 -.02 33 51	
21-16-0017	703818	117936	12-65	3 253 13,690 3.95 541	8 11,906 3.84 457	4-70 42	780 .02 33 48	
21-16-0017	704362	117936	1-66	1 305 16,430 3.59 590	8 12,030 3.85 463	1-69 36	957 -.02 35 54	
21-16-0017	706495	117936	1-65	3 304 13,956 3.97 554	13 11,723 4.02 471	6-69 8 42	830 .00 33 49	
21-16-0017	706501	117936	1-66	2 305 15,520 3.88 602	18 12,075 4.06 490	7-69 40	945 -.01 36 54	
21-16-0017	712765	117936	11-66	1 305 15,640 3.87 605	20 12,230 4.18 511	7-69 36	885 -.01 33 50	
21-16-0017	719964	117936	9-66	1 103 14,860 4.13 614	18 12,020 4.13 497	6-69 6 36	841 .01 34 50	
21-16-0017	735514	117936	6-65	1 305 15,440 3.72 575	13 12,140 3.96 481	9-68 36	876 -.01 33 50	
21-16-0412	714735	117936	10-65	2 297 12,125 4.25 515	6 10,250 4.00 410	8-69 40	767 .03 34 48	
21-16-0412	717149	117936	3-66	1 296 12,920 3.85 498	6 9,950 3.97 395	10-68 8 36	835 .00 33 49	
21-16-0472	696619	117936	6-65	1 305 17,960 3.98 714	9 13,800 3.63 501	3-69 36	953 .04 42 60	
21-16-0472	696620	117936	6-65	2 305 19,735 3.56 702	10 13,945 3.65 509	4-69 8 40	1,202 -.02 44 68	
21-16-0472	710026	117936	3-66	2 305 18,620 3.73 694	5 13,890 3.72 517	4-70 40	1,094 .00 43 64	
21-16-0472	710027	117936	4-66	1 305 18,080 3.84 695	5 14,230 3.66 521	2-69 36	933 .02 39 57	
21-19-0112	653181	117936	8-62	5 289 16,216 3.81 618	11 13,136 3.78 496	8-69 44	969 .01 39 58	
21-19-0112	670709	117936	8-63	4 292 14,992 3.93 589	5 13,347 3.80 507	3-69 44	784 .02 33 48	
21-19-0112	670711	117936	9-63	5 293 17,484 3.60 630	10 13,194 3.80 501	11-69 44	1,125 -.03 40 62	
21-19-0112	693641	117936	4-65	3 305 18,576 3.63 674	8 13,606 3.76 512	9-69 42	1,166 -.03 42 65	
21-19-0112	695652	117936	9-65	3 305 16,036 3.92 628	7 13,640 3.74 510	11-69 42	870 .03 37 53	
21-19-0112	708103	117936	4-66	1 305 20,420 3.56 727	6 14,120 3.81 538	9-68 36	1,115 -.03 40 62	
21-19-0112	708104	117936	4-66	2 284 18,960 3.75 711	5 13,780 3.82 526	1-70 40	1,139 .00 44 66	
21-19-0112	708105	117936	6-66	2 305 21,960 3.96 870	9 13,875 3.79 526	10-69 40	1,434 .03 60 87	
21-19-0112	708106	117936	6-66	2 305 17,155 3.69 633	9 14,000 3.79 530	11-69 40	935 -.01 35 53	
21-19-0112	709511	117936	9-66	2 305 17,145 3.76 645	9 13,875 3.79 526	10-69 40	946 .00 37 55	
21-19-0112	737138	117936	10-66	2 295 19,145 3.34 639	6 14,235 3.81 543	12-69 40	1,116 -.07 35 58	
21-19-0113	671012	117936	7-63	4 305 13,960 4.06 567	8 10,612 3.91 415	11-69 44	960 .03 41 59	
21-19-0113	691478	117936	5-64	4 305 12,025 4.29 516	8 9,512 3.93 374	9-69 44	843 .05 39 54	
21-19-0113	698417	117936	7-65	2 305 12,190 3.88 473	8 9,650 4.00 386	9-69 40	829 .00 32 48	
21-20-0460	672265	117936	4-62	6 304 17,030 3.73 636	17 11,210 3.85 432	2-70 44	1,297 -.01 49 74	
21-20-0460	714044	117936	10-65	2 305 15,875 3.89 617	15 11,795 3.86 455	3-69 40	1,007 .01 40 59	
21-21-0361	608865	117936	4-59	8 270 15,510 3.66 568	34 13,131 3.79 498	2-69 44	878 -.02 32 49	
21-21-0361	664811	117936	2-63	4 288 15,532 3.44 534	40 12,192 3.92 478	9-68 44	979 -.07 30 50	
21-21-0361	670009	117936	11-63	3 305 16,253 3.76 611	38 12,240 3.97 486	11-68 42	1,040 -.02 38 59	
21-21-0361	678111	117936	5-64	4 274 16,637 4.02 669	36 12,695 3.97 504	11-69 44	1,059 .01 43 63	
21-21-0361	683543	117936	9-64	3 305 14,866 3.95 587	28 11,446 4.01 459	9-69 42	963 .00 38 57	
21-21-0361	685619	117936	10-64	3 288 14,206 3.73 530	24 11,123 3.98 443	6-69 42	920 -.02 33 51	
21-21-0361	685777	117936	10-64	3 305 15,310 3.79 580	30 11,553 4.01 463	11-69 42	1,003 -.02 37 57	
21-21-0361	692596	117936	2-65	3 298 16,096 4.04 651	26 11,170 4.03 450	8-69 42	1,133 .01 46 68	
21-21-0361	692597	117936	2-65	3 292 14,630 3.70 542	22 11,466 3.94 452	4-70 42	934 -.03 33 52	
21-21-0361	695009	117936	8-65	3 284 16,023 3.73 597	42 12,240 4.02 492	11-69 42	1,014 -.03 36 56	
21-21-0361	695011	117936	8-65	3 289 13,406 4.42 593	42 12,240 4.02 492	11-69 42	713 .06 35 48	
21-21-0361	697621	117936	10-65	3 205 13,693 4.26 583	21 11,926 4.04 482	3-70 42	778 .04 35 49	
21-21-0361	697629	117936	11-65	3 305 16,250 3.81 619	28 11,446 4.01 459	9-69 42	1,122 -.02 41 63	
21-21-0361	697631	117936	11-65	2 274 16,440 4.04 664	37 12,125 3.93 477	3-69 40	1,034 .02 43 63	
21-21-0361	708800	117936	9-66	2 305 16,575 4.16 690	20 11,			

TABLE 1. AYRSHIRE USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION.. COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C D	.....C REPT (%)	O W MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	..... OOL- LARS
21-21-0616	704011	117936	12-65	2 295	14,150	4.33	613	14 10,880	4.03	439	6-69	40		915	.05	42	\$ 59
21-21-0616	704014	117936	12-65	2 305	14,050	4.04	567	23 11,345	4.20	477	10-69	40		863	-.01	33	50
21-21-0616	713950	117936	10-66	1 305	19,390	3.49	677	23 12,340	4.24	523	8-69	36		1,157	-.07	37	61
21-21-0616	716727	117936	11-66	2 293	13,930	4.01	559	23 11,450	4.20	481	9-69	40		841	-.01	32	48
21-21-0616	716738	117936	12-66	1 305	16,270	3.88	631	23 12,340	4.24	523	8-69	36		925	-.02	34	52
21-21-0616	725046	117936	2-67	1 305	15,500	3.81	590	24 12,350	4.24	524	9-69	36		867	-.02	31	48
21-21-0616	727043	117936	10-65	3 285	14,170	3.78	536	19 11,720	3.93	461	2-70	42		855	-.01	32	49
21-22-0049	677852	117936	2-64	4 293	13,805	4.44	613	12 12,055	3.87	467	1-70	44		780	.09	41	54
21-22-0049	679978	117936	1-64	4 299	13,475	3.77	508	11 10,497	3.99	419	9-69	44		913	-.02	33	51
21-22-0049	713996	117936	9-66	2 304	15,700	3.35	526	16 11,735	4.02	472	11-69	40		994	-.07	30	51
21-22-0049	724951	117936	4-67	1 298	14,890	3.74	557	11 11,390	4.01	457	8-69	36		886	-.01	33	50
21-22-0049	728484	117936	9-67	1 305	16,070	3.53	568	14 12,430	4.03	501	12-69	36		904	-.04	31	49
21-22-0172	632979	117936	4-61	5 263	13,100	4.01	525	9 11,054	3.91	432	2-70	44		808	.02	34	49
21-22-0172	645570	117936	2-62	4 301	15,352	3.98	611	6 11,330	3.96	449	11-69	44		1,052	.02	43	63
21-22-0172	703900	117936	12-65	1 305	14,950	3.69	551	5 11,150	3.87	432	11-68	36		906	-.01	34	52
21-22-0172	714789	117936	11-66	1 305	16,180	3.56	576	7 12,720	3.87	492	9-69	36		893	-.02	32	50
21-22-0172	731811	117936	5-67	1 305	16,130	3.51	566	8 12,200	3.89	475	10-69	36		924	-.03	32	51
21-22-0172	731813	117936	9-67	1 305	14,370	4.24	609	8 12,650	3.85	487	11-69	36		762	.04	35	49
21-24-0671	677404	117936	11-63	4 305	14,665	3.80	558	12 10,282	3.95	406	3-70	44		1,084	-.01	41	62
21-24-0671	686561	117936	9-64	3 305	13,336	4.03	537	8 10,360	3.96	410	8-69	42		899	.02	37	54
21-24-0671	697003	117936	3-65	3 305	14,050	4.07	572	6 10,760	3.93	423	1-70	42		940	.03	40	58
21-24-0671	697010	117936	9-65	2 305	14,625	3.82	559	12 10,105	3.90	394	3-69	40		1,034	.00	40	60
21-24-0671	719838	117936	2-67	1 305	15,360	3.80	584	6 10,780	3.99	430	10-69	36		962	.00	37	56
21-28-0541	658906	117936	11-62	5 291	13,486	3.80	513	10 10,566	3.95	417	5-69	44		915	-.01	35	53
21-28-0541	685374	117936	2-62	6 296	14,140	4.36	617	8 10,211	4.00	408	10-69	44		1,040	.07	49	68
21-28-0541	685375	117936	3-63	4 305	13,782	3.95	544	7 10,305	3.95	407	3-69	44		972	.01	39	58
21-28-0541	685994	117936	3-64	3 305	13,473	3.93	530	7 10,533	4.07	429	10-69	42		897	-.01	34	51
21-29-0363	689482	117936	11-64	2 305	14,110	4.01	566	15 10,045	3.88	390	9-69	40		987	.02	41	60
21-29-0660	701986	117936	2-66	2 305	15,105	3.63	549	18 10,180	3.97	404	3-70	40		1,076	-.03	38	59
21-30-0854	641786	117936	8-61	5 305	15,556	3.85	599	27 11,484	3.94	453	1-70	44		1,075	-.01	41	62
21-30-0854	712903	117936	9-66	1 305	14,980	4.18	626	39 10,590	4.04	428	9-69	36		946	.03	40	58
21-30-0854	718799	117936	3-67	1 305	14,520	3.77	548	43 10,690	4.06	434	10-69	36		905	-.01	34	52
21-32-0014	663257	117936	8-62	6 297	14,213	4.09	581	13 12,013	3.90	468	12-69	44		841	.03	37	53
21-32-0014	678842	117936	7-63	5 298	13,698	3.91	536	10 11,388	3.94	449	8-69	44		847	.01	34	50
21-32-0014	678843	117936	8-63	5 305	16,378	4.12	675	11 12,146	3.93	477	12-69	44		1,105	.04	48	69
21-32-0014	692046	117936	7-64	4 305	16,037	3.78	607	9 11,905	3.91	465	12-69	44		1,073	-.02	40	61
21-32-0014	703134	117936	10-65	3 294	13,683	4.15	568	6 12,030	3.92	471	12-69	42		766	.03	34	48
21-32-0014	703518	117936	1-66	2 305	15,210	3.69	562	11 11,125	3.95	439	9-69	40		1,000	-.03	36	56
21-32-0014	722393	117936	10-65	2 305	18,140	3.89	705	10 11,665	3.89	454	9-69	40		1,249	.00	49	73
21-32-0014	722397	117936	10-66	1 305	17,340	3.66	634	6 11,780	3.87	456	4-69	36		1,042	-.01	39	59
21-32-0014	722933	117936	10-64	1 305	14,910	4.39	655	11 11,590	3.93	455	9-69	36		374	.05	40	56
21-32-0866	667662	117936	9-63	4 298	16,387	4.17	683	24 13,287	4.18	556	12-69	44		963	.02	40	58
21-32-0866	673497	117936	11-63	4 299	16,870	4.08	688	25 13,155	4.16	547	11-69	44		1,037	.00	41	61
21-32-0866	684367	117936	9-64	3 305	19,026	4.02	764	23 13,113	4.14	543	11-69	42		1,269	.00	49	74
21-32-0866	686303	117936	10-64	3 294	18,233	4.14	754	24 13,216	4.13	546	11-69	42		1,167	.02	48	70
21-32-0866	686306	117936	12-64	3 284	16,286	3.56	579	21 13,206	4.15	548	12-69	42		944	-.07	28	48
21-32-0866	692296	117936	2-65	3 305	15,210	4.17	634	23 13,113	4.14	543	11-69	42		830	.01	34	50
21-32-0866	695429	117936	8-65	3 305	16,260	3.92	637	23 13,116	4.14	543	11-69	42		950	-.02	35	54
21-32-0866	697180	117936	10-65	2 305	17,220	4.58	789	21 13,085	4.15	543	12-69	40		1,025	.08	50	68
21-32-0866	708794	117936	9-66	1 305	16,260	4.14	673	20 13,330	4.13	550	10-69	36		858	.01	35	51
21-32-0866	708795	117936	9-66	1 305	16,530	3.99	659	18 13,930	4.17	581	12-69	36		837	-.01	32	48
21-35-0019	675701	117936	12-63	4 300	13,950	3.73	521	6 10,660	3.82	407	8-69	44		954	-.01	36	55
21-35-0019	675703	117936	2-64	4 303	14,272	3.64	519	12 10,900	3.77	411	12-69	44		967	-.02	35	54
21-35-0019	688663	117936	11-64	4 305	12,957	3.89	504	15 10,952	3.75	411	10-69	44		798	.02	33	48
21-35-0019	730743	117936	11-67	1 305	17,750	3.68	654	5 13,400	3.88	520	3-70	36		964	-.01	36	55
21-35-0198	719535	117936	9-65	2 304	13,745	4.10	564	10 10,985	3.98	437	9-69	40		865	.03	37	53
21-35-0198	730365	117936	3-67	1 305	13,660	4.08	558	13 11,450	3.94	451	11-69	36		790	.02	33	48
21-37-0609	668815	117936	11-63	3 305	19,503	4.11	801	15 14,023	3.85	540	12-68	42		1,229	.05	54	77
21-37-0609	686779	117936	9-64	3 300	17,356	4.23	734	6 13,950	3.77	526	4-69	42		990	.08	48	66
21-37-0609	686781	117936	10-64	2 302	16,810	3.84	645	15 14,190	3.85	546	10-68	40		883	.00	35	52
21-37-0609	700369	117936	12-65	1 305	18,220	4.01	731	19 14,210	3.93	559	9-68	36		945	.02	39	57
21-39-0279	654914	117936	9-62	4 304	14,985	3.94	591	8 12,557	3.81	479	12-69	44		871	.07	37	53
21-39-0279	672321	117936	8-63	3 305	15,560	4.07	633	13 12,320	3.84	473	7-69	42		952	.04	42	60
21-39-0279	676295	117936	10-63	3 292	16,570	3.82	633	10 14,236	3.85	548	4-70	42		870	.00	34	51
21-39-0279	703791	117936	11-65	3 296	16,860	3.85	649	11 13,716	3.84	527	1-70	42		957	.01	38	56
21-39-0279	714009	117936	9-66	1 305	17,620	4.19	739	10 13,150	3.85	506	8-69	36		971	.04	43	61
21-39-0279	722401	117936	1-67	1 305	16,740	3.94	660	11 14,320	3.85	551	5-69	36		827	.01	34	50
21-39-0406	704149	117936	10-65	1 290	13,550	3.90	529	6 9,840	4.04	398	5-69	36		890	.00	35	52
21-39-0406	719618	117936	7-66	2 298	15,550	3.50	545	6 12,685	3.81	483	1-70	40		892	-.03	31	49
21-39-0438	686205	117936	1-65	3 301	15,320	3.83	587	8 12,263	4.07	499	1-70	42		931	-.02	34	52
21-39-0438	692911	117936	1-65	3 302	14,613												

TABLE 1. AYRSHIRE USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C MO-YR O	.....C O W REPT MILK (%) (L8)	I N O E X..... FAT FAT (%) (L8)	..... OOL- LARS
21-39-0922	698962	117936	8-65	2 300 17,785 3.88 690	16 12,520 3.93 492	4-69	40 1,134 .00 44	\$ 66	
21-39-0922	699564	117936	8-65	3 302 13,866 4.26 590	25 12,673 3.89 493	12-69	42 721 .06 35	48	
21-39-0922	701747	117936	1-66	3 295 15,636 3.81 596	22 12,803 3.87 496	1-70	42 911 .00 35	53	
21-39-0922	704434	117936	1-66	2 303 14,055 3.91 550	20 11,635 3.94 458	9-69	40 837 .00 33	49	
21-39-0922	727443	117936	5-65	1 305 20,240 3.76 761	23 13,330 3.86 514	1-69	36 1,154 -.01 44	66	
21-39-0996	677739	117936	12-63	4 302 16,475 3.85 635	16 13,105 3.78 496	7-69	44 994 .01 40	59	
21-39-0996	677742	117936	1-64	4 305 19,537 4.07 796	21 13,032 3.82 498	8-69	44 1,380 .05 60	86	
21-39-0996	678013	117936	2-64	4 298 15,460 3.97 614	15 13,757 3.81 524	3-69	44 796 .02 34	49	
21-39-0996	686020	117936	9-64	3 305 17,360 3.81 662	22 12,830 3.85 494	9-69	42 1,106 .00 43	64	
21-39-0996	689276	117936	11-64	3 305 18,870 3.92 740	26 13,213 3.87 512	10-69	42 1,240 .01 50	74	
21-39-0996	712140	117936	8-66	2 305 17,045 3.84 654	23 13,915 3.84 534	12-69	40 932 .00 37	55	
21-39-0996	712149	117936	10-66	1 298 17,830 3.75 668	17 14,310 3.81 545	5-69	36 909 .00 35	53	
21-39-0996	716168	117936	1-67	1 305 19,250 3.64 701	23 13,100 3.80 498	10-69	36 1,096 -.01 41	62	
21-39-0996	716170	117936	1-67	1 305 15,180 4.14 628	20 13,070 3.79 496	9-69	36 795 .04 36	51	
21-39-0996	728789	117936	10-67	1 305 17,030 4.03 687	12 14,760 3.73 551	3-70	36 819 .03 36	51	
21-42-0029	694869	117936	4-65	2 305 13,935 4.62 644	9 10,665 3.92 418	6-69	40 913 .09 47	63	
21-42-0029	698700	117936	11-65	3 302 14,633 4.33 634	8 11,623 3.99 464	3-70	42 918 .06 43	60	
21-42-0029	702726	117936	2-66	2 296 14,350 4.09 587	10 11,925 4.00 477	1-70	40 840 .02 35	51	
21-42-0029	720359	117936	11-66	1 305 13,670 4.13 564	7 10,940 3.92 429	5-69	36 825 .02 35	50	
21-42-0029	722986	117936	5-66	2 303 13,725 4.77 654	10 11,590 3.93 456	3-70	40 807 .10 44	57	
21-42-0029	725750	117936	10-67	1 36 14,880 4.76 708	9 12,770 3.98 508	2-70	8 36 792 .08 41	55	
21-42-0029	729671	117936	3-68	1 305 14,510 4.60 667	9 12,770 3.98 508	2-70	36 765 .07 38	51	
21-42-0386	699053	117936	12-65	1 302 14,340 4.05 581	5 9,640 3.58 345	10-69	36 962 .04 42	60	
21-42-0492	665949	117936	12-62	5 305 16,822 3.81 641	11 13,450 3.93 529	12-69	44 1,010 -.01 38	58	
21-42-0492	690499	117936	8-64	4 304 18,567 3.88 720	9 13,352 3.99 533	3-70	44 1,224 -.01 47	71	
21-42-0492	690505	117936	9-64	4 303 16,852 3.67 619	13 14,080 3.93 554	1-70	44 932 -.04 32	51	
21-42-0492	690510	117936	11-64	4 305 16,270 3.88 631	10 13,497 3.94 532	3-70	44 925 .00 36	54	
21-42-0492	690516	117936	1-65	4 302 16,857 3.77 636	10 13,312 3.91 520	4-70	44 1,018 -.01 38	58	
21-42-0492	711725	117936	10-65	3 305 17,610 3.74 658	10 13,713 4.00 548	3-70	42 1,044 -.03 37	58	
21-42-0492	711729	117936	12-65	3 305 16,793 3.91 656	11 13,826 4.01 554	1-70	42 938 -.01 36	54	
21-42-0492	711731	117936	12-65	2 305 17,960 4.00 719	14 12,740 3.92 499	7-69	40 1,132 .02 47	68	
21-42-0492	744663	117936	1-67	1 305 15,450 3.88 599	11 13,000 3.83 498	5-69	36 819 .01 33	49	
21-42-0492	744664	117936	3-67	1 305 17,000 3.52 598	14 13,100 3.82 501	6-69	36 928 -.03 33	51	
21-42-0492	744666	117936	5-67	1 305 15,510 3.74 580	11 13,000 3.83 498	5-69	36 824 .00 32	48	
21-42-0492	751377	117936	8-67	1 298 17,600 3.90 687	18 13,910 4.00 557	9-69	H 36 919 .00 36	54	
21-42-0492	751382	117936	10-67	1 305 17,530 3.93 689	9 14,330 4.10 588	1-70	36 885 .00 34	51	
21-42-0720	689575	117936	4-64	4 301 12,177 4.04 492	6 10,155 3.89 395	7-69	44 791 .03 34	49	
21-42-0720	714010	117936	9-66	1 305 15,250 3.62 552	10 10,510 4.13 434	6-69	36 971 -.03 34	53	
21-42-0720	721909	117936	4-67	1 305 13,960 3.89 543	10 10,510 4.13 434	6-69	36 875 -.01 33	50	
21-42-0751	664678	117936	4-63	5 303 16,910 3.88 656	34 11,958 3.91 467	11-69	44 1,195 .00 47	70	
21-42-0751	664679	117936	4-63	5 298 15,362 4.02 618	35 11,784 3.93 463	11-69	44 1,015 .03 43	62	
21-42-0751	672378	117936	8-63	4 305 16,605 3.69 613	25 12,000 3.90 468	3-69	44 1,132 -.03 41	63	
21-42-0751	694653	117936	5-65	3 304 15,570 3.81 593	37 11,686 3.94 461	9-69	42 1,019 -.01 38	58	
21-42-0751	698035	117936	7-65	3 297 13,110 4.40 577	45 11,796 3.96 467	9-69	42 725 .06 36	49	
21-42-0751	698045	117936	11-65	2 298 15,545 3.67 571	39 11,570 3.93 455	8-69	40 994 -.02 36	56	
21-42-0751	710786	117936	7-66	2 305 16,605 3.94 654	36 11,960 3.87 463	11-69	40 1,066 .01 43	63	
21-42-0751	710795	117936	9-66	2 305 14,530 3.68 535	43 11,900 3.91 465	10-69	40 861 -.02 31	48	
21-42-0751	710796	117936	10-66	1 305 14,460 3.76 544	26 11,060 3.92 433	5-69	36 876 .00 34	51	
21-42-0751	710802	117936	12-66	1 305 14,440 3.84 555	26 11,060 3.92 433	5-69	36 874 .00 34	51	
21-42-0751	710803	117936	10-66	1 305 14,540 3.80 552	36 10,810 3.95 427	7-69	36 898 .00 35	52	
21-42-0751	719214	117936	3-67	1 305 13,490 4.17 562	33 10,860 3.93 427	6-69	36 817 .03 35	50	
21-42-0751	722903	117936	5-67	1 305 14,760 4.32 638	33 10,860 3.93 427	6-69	36 911 .05 41	58	
21-42-0751	726648	117936	11-67	1 290 15,010 3.65 548	32 11,890 3.74 445	12-69	36 861 -.01 33	50	
21-42-0845	680555	117936	5-64	3 274 15,130 4.03 610	20 12,186 3.87 472	3-69	8 42 917 .03 39	56	
21-42-0845	693415	117936	9-64	3 305 17,326 3.56 616	17 12,043 3.84 463	11-68	42 1,184 -.04 41	65	
21-43-0287	674342	117936	9-63	5 284 15,870 3.34 530	20 12,784 3.69 472	12-69	44 965 -.06 30	50	
21-43-0287	694571	117936	4-65	3 304 17,026 3.61 615	25 11,896 3.66 435	7-69	42 1,165 -.02 43	66	
21-43-0287	727061	117936	8-67	1 297 16,810 3.63 610	34 12,200 3.67 448	10-69	36 974 -.01 37	56	
21-43-0483	586878	117936	9-58	6 295 17,033 3.68 627	24 12,741 3.82 487	6-69	44 1,120 -.02 41	63	
21-43-0483	662987	117936	11-62	5 299 16,564 3.52 583	23 12,158 3.83 466	5-69	44 1,127 -.05 38	61	
21-43-0483	682955	117936	4-64	2 273 14,530 4.02 584	25 12,870 3.75 482	3-69	40 772 .04 35	49	
21-43-0483	714666	117936	8-64	4 295 15,182 4.07 618	26 12,385 3.77 467	3-70	44 914 .04 41	58	
21-43-0483	714681	117936	10-64	3 296 14,526 3.98 578	30 12,330 3.81 470	5-69	42 832 .03 36	51	
21-43-0483	714710	117936	8-66	1 292 15,450 3.90 603	35 12,040 3.80 458	5-69	36 884 .01 36	53	
21-43-0483	748645	117936	10-66	1 305 16,310 3.73 609	27 11,960 3.80 455	6-69	36 953 .00 37	55	
21-43-0483	748651	117936	4-67	1 150 17,740 3.83 679	30 12,140 3.86 468	1-70	8 36 1,048 .00 41	61	
21-45-0049	713353	117936	10-66	1 305 19,610 3.50 686	8 12,750 3.64 464	11-69	36 1,146 -.02 42	65	
21-45-0392	702273	117936	3-65	3 301 15,950 3.47 554	7 11,896 3.82 455	5-69	42 1,041 -.05 34	55	
21-45-0392	702277	117936	12-64	2 290 15,560 3.84 597	6 13,095 3.81 499	9-69	40 856 .00 34	50	
21-45-0392	710558	117936	7-66	1 305 15,790 3.43 541	9 12,040 3.73 449	6-69	36 909 -.03 32	50	
21-45-0392	714162	117936	11-66	2 267 15,625 3.65 571	9 12,915 3.74 483	2-70	40 879 -.01 33	50	
21-45-0392	714164	117936	12-66	2 305 15,150 3.66 554	9 12,785 3.75 480	3-70	40 843 -.01 32	48	
21-45-0452	689808	117936	3-63	4 302 16,875 4.09 690	16 12,707 3.96 503	12-69	44 1,087 .03 46	66	
21-45-0452	715144	117936	11-66	2 302 17,115 3.77 646	11 13,750 3.95 543	11-69	40 954 -.02 35	54	
21-45-0452	729456	117936	9-67	1 305 18,590 3.65 679	6 15,110 4.05 612	2-70	36 912 -.03 32	50	
21-45-0736	689545	117936	12-64	1 305 16,760 3.84 644	16 11,340 3.90 442	12-69	36 1,028 .00 40	60	
21-45-0736	689548	117936	12-64	1 305 17,310 3.85 667	10 11,610 3.86 448	1-70	36 1,051 .01 42	62	
21-45-0736	713348	117936	9-66	1 291 14,540 4.17 607	25 10,390 3.90 405	9-69	36 927 .03 40	57	
21-45-0736	713351	117936	9-66	1 305 18,260 3.82 697	25 10,390 3.90 405	9-69	36 1,204 .00 47	70	
21-45-0736	713352	117936	10-66	1 293 16,000 3.56 569	23 10,970 3.90 428	11-69	36 996 -.02 36	56	
21-45-0736	714224	117936	10-66	1 305 17,530 4.20 737	29 10,770 3.92 422	10-69	36 1,124 .04 49	70	
21-45-0742	697598	117936	11-63	3 305 12,843 3.81 489	27 9,583 3.83 367	10-69	42 923 .00 36	54	
21-47-0026	686623	117936	9-64	3 305 16,416 3.75 616	9 12,353 3.88 479	6-69	42 1,047 -.02 39	60	
21-47-0026	717528	117936	2-67	1 305 15,330 3.87 593	8 12,330 3.77 465	1-70	36 855 .01 35	51	
21-47-0026	718120	117936	10-66	2 303 15,520 3.72 578	8 12,460 3.80 474	1-70	40 910 .00 35	53	

TABLE 1. AYRSHIRE USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVD C MO-YR O	.....C O W REPT MILK (%) (L8)	I N O E X..... FAT FAT (%) (L8)	DOL- LARS				
21-52-0002	665151	117936	4-63	4 302	14,990	4.06	608	15	12,295	3.87	476	3-69	44	900	.03	39	\$ 56
21-52-0002	671530	117936	9-63	4 302	15,875	3.91	621	13	11,850	3.89	461	12-69	44	1,059	.01	42	62
21-52-0002	682781	117936	5-64	4 298	14,860	3.87	575	13	12,182	3.92	478	10-69	44	897	.00	35	52
21-52-0002	686795	117936	10-64	3 297	14,786	4.11	608	10	12,530	3.92	491	12-69	42	842	.03	37	53
21-52-0002	693163	117936	3-65	3 300	15,073	4.01	604	10	12,706	3.94	501	12-69	42	856	.01	35	51
21-52-0385	689106	117936	11-64	1 285	13,580	4.04	548	8	11,260	3.93	442	1-70	36	797	.02	33	48
21-52-0385	689107	117936	12-64	1 305	14,300	3.50	500	6	10,720	3.85	413	2-70	36	887	-.02	32	50
21-52-0581	615274	117936	11-59	5 305	16,532	3.72	615	23	12,706	4.00	508	10-68	44	1,059	-.04	37	58
21-52-0581	661563	117936	3-63	5 304	15,574	4.08	636	24	13,310	4.03	536	10-69	44	866	.03	37	53
21-52-0581	661724	117936	11-62	5 299	15,622	4.10	641	26	13,262	4.03	535	12-69	44	877	.02	37	53
21-52-0581	686932	117936	8-64	2 305	18,075	4.17	754	24	13,825	4.04	559	10-69	40	1,045	.03	45	64
21-52-0581	689112	117936	11-64	3 305	15,783	4.36	688	9	13,400	3.99	534	3-69	42	866	.07	42	57
21-52-0581	692217	117936	12-64	3 305	15,730	3.87	609	25	13,576	4.03	547	10-69	42	842	-.02	31	48
21-53-0100	714123	117936	10-66	1 305	13,330	4.08	544	17	11,040	3.88	428	8-69	36	793	.03	34	49
21-53-0166	624137	117936	8-60	8 288	14,222	3.77	536	21	10,801	3.80	410	10-69	44	983	.00	38	57
21-53-0166	626999	117936	11-60	7 295	13,297	3.87	514	25	10,581	3.82	404	9-68	44	889	.01	36	53
21-53-0166	649440	117936	11-61	6 298	13,823	3.88	536	25	11,760	3.78	444	1-70	44	820	.02	34	49
21-55-0340	663988	117936	4-63	4 301	14,810	3.84	569	11	11,547	3.91	452	8-69	44	961	.00	37	56
21-55-0340	671719	117936	12-63	4 299	16,890	3.89	657	6	12,497	4.04	505	4-69	44	1,112	-.01	42	64
21-55-0340	672904	117936	8-63	5 301	15,388	4.42	680	12	11,576	4.03	467	11-69	44	1,043	.08	50	69
21-55-0340	678665	117936	8-62	4 286	16,295	3.72	606	6	12,500	3.99	499	1-70	44	1,039	-.04	36	57
21-55-0340	710793	117936	9-66	1 305	16,140	3.77	609	5	11,010	3.74	412	5-69	36	1,004	.01	40	59
21-55-0340	714005	117936	3-66	2 293	17,680	3.60	636	11	12,135	4.05	491	10-69	40	1,159	-.05	39	62
21-55-0340	726822	117936	9-67	1 305	15,710	3.74	588	12	11,640	3.96	461	10-69	36	930	-.01	35	53
21-55-0340	727681	117936	10-67	1 305	17,730	4.02	713	10	12,980	3.99	518	12-69	36	991	.01	40	59
21-55-0340	733259	117936	12-67	1 288	16,030	3.82	613	9	12,760	4.00	511	1-70	36	879	-.01	33	50
21-56-0333	657604	117936	9-62	5 305	16,564	3.81	631	7	12,622	3.70	467	1-69	44	1,073	.02	44	64
21-56-0425	666218	117936	11-62	4 281	14,047	4.06	571	10	11,725	4.02	471	6-69	44	847	.02	35	51
21-56-0425	678387	117936	3-64	3 302	15,153	4.28	648	6	11,066	4.07	450	1-69	42	1,035	.05	46	65
21-56-0425	689451	117936	9-64	3 296	14,713	3.64	536	11	11,523	4.04	466	6-69	42	937	-.05	31	50
21-56-0425	691710	117936	2-65	3 278	14,606	3.71	542	8	11,336	4.08	463	5-69	42	944	-.04	32	51
21-56-0425	694562	117936	4-65	3 291	16,590	4.13	685	6	11,803	4.07	480	3-70	42	1,124	.03	47	68
21-56-0425	703782	117936	12-65	2 305	16,340	3.76	614	8	12,250	4.06	497	4-70	40	1,012	-.03	36	56
21-56-0425	720976	117936	3-67	1 305	13,680	4.66	637	9	12,570	3.99	502	3-70	36	716	.07	36	48
23-06-0047	726391	117936	7-67	1 305	15,300	3.80	582	16	11,840	4.23	501	7-69	36	886	-.02	32	50
23-09-0214	696933	117936	3-65	2 305	13,360	3.90	521	19	10,585	3.98	421	5-69	40	862	.00	34	51
23-09-0607	652633	117936	5-62	5 302	18,198	3.68	670	16	13,730	3.88	533	2-70	44	1,155	-.03	41	64
23-09-0607	669176	117936	11-63	3 291	17,336	4.34	753	29	13,390	4.05	542	7-69	42	1,046	.06	48	67
23-09-0607	672826	117936	10-63	3 305	21,040	3.71	780	19	14,466	3.96	573	11-69	42	1,360	-.04	48	75
23-09-0607	685704	117936	12-64	3 301	17,473	3.94	688	24	13,443	4.07	547	9-69	42	1,056	-.01	40	61
23-09-0607	686965	117936	10-64	3 305	19,833	3.78	749	17	12,426	4.08	507	6-69	42	1,433	-.03	52	80
23-09-0607	688625	117936	1-65	3 303	18,536	3.64	675	26	14,273	4.08	582	2-70	42	1,092	-.06	35	57
23-09-0607	688656	117936	10-64	3 302	18,153	3.81	691	18	12,573	4.06	511	8-69	42	1,224	-.03	44	68
23-09-0607	700035	117936	11-65	2 305	16,560	3.96	655	6	13,560	3.87	525	4-70	40	915	.02	38	55
23-09-0607	704747	117936	1-66	2 303	16,140	3.94	636	28	14,140	4.04	571	10-69	40	820	.00	32	48
23-09-0607	714055	117936	10-66	2 305	21,935	3.55	779	22	14,905	4.06	605	12-69	40	1,338	-.07	43	70
23-09-0607	714793	117936	12-66	1 305	15,490	4.20	651	24	13,550	3.96	537	7-69	36	785	.04	35	49
23-09-0607	721912	117936	6-67	1 305	16,130	3.85	621	24	13,680	3.98	545	8-69	36	824	.00	32	48
23-09-0607	726036	117936	7-67	1 305	18,270	3.65	667	23	15,020	4.03	605	1-70	36	894	-.03	31	49
23-09-0607	726488	117936	7-66	2 305	20,700	3.49	722	26	13,270	4.05	537	8-69	40	1,362	-.07	44	72
23-09-0607	732831	117936	10-67	1 305	17,120	4.06	695	23	15,020	4.03	605	1-70	36	808	.01	33	48
23-15-0033	719117	117936	2-66	2 297	16,275	3.91	636	21	13,230	4.06	537	9-69	40	916	-.01	35	53
23-15-0033	719118	117936	3-66	2 305	17,370	3.71	645	21	13,275	4.06	539	9-69	40	1,023	-.03	36	56
23-15-0525	673859	109256	9-63	4 303	17,093	4.40	752	95	12,898	4.19	540	12-69	42	638	.11	38	48
23-15-0627	714794	117936	12-66	1 305	17,800	3.99	710	9	12,790	3.92	501	4-70	36	1,009	.01	41	60
23-19-0127	685858	117936	8-64	3 304	16,243	3.98	647	9	13,320	3.81	508	8-69	42	927	.03	40	57
23-19-0127	685860	117936	10-64	4 304	16,572	3.75	622	6	11,420	4.05	462	8-69	44	1,193	-.04	42	66
23-19-0127	700501	126011	9-65	3 290	17,706	3.91	693	6	13,756	3.69	507	4-70	38	845	.00	33	49
23-22-0028	680346	117936	7-64	4 293	13,557	3.97	538	8	11,350	3.99	453	8-69	44	828	.01	33	49
23-22-0028	695540	117936	11-64	3 305	17,963	3.77	677	10	11,683	3.93	459	10-69	42	1,295	-.02	48	73
23-22-0028	699427	117936	12-64	3 301	16,593	3.82	634	11	11,976	3.95	473	10-69	42	1,107	-.01	42	64
23-22-0028	706300	117936	3-66	2 305	14,955	3.65	546	9	11,945	3.94	471	5-69	40	900	-.03	32	50
23-22-0028	717786	117936	1-67	1 305	16,840	4.00	674	10	12,060	3.91	472	7-69	36	986	.02	41	60
23-22-0028	721544	117936	11-66	2 282	13,645	4.30	587	10	12,230	3.87	473	2-70	40	741	.06	36	49
23-34-0019	698264	117936	11-65	2 305	15,010	3.79	569	15	11,095	3.89	432	8-69	40	983	.00	38	57
23-34-0019	734896	117936	8-66	2 305	16,975	3.42	580	16	11,460	3.96	454	11-69	40	1,149	-.06	37	61
23-34-0019	735110	117936	6-66	2 305	15,420	3.80	586	13	11,560	3.89	450	1-70	40	982	.00	38	57
23-34-0019	744381	117936	11-66	2 304	16,180	3.83	620	10	11,920	3.92	467	12-69	40	1,026	.00	40	60
23-35-0001	717710	117936	5-66	1 305	12,960	3.70	480	95	7,780	3.88	302	6-69	36	984	.00	38	57
23-35-0001	717713	117936	6-66	1 305	12,870	4.10	528	105	7,810	3.92	306	8-69	36	975	.02	41	59
23-35-0001	717719	117936	6-66	2 302	12,280	3.88	476	81									

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C MO-YR D	.....C O W REPT MILK (%) (L8)	I N D E X..... FAT FAT (%) (L8)	DOL- LARS
23-44-0030	689057	117936	10-64	4 298 14,125 3.89 550	20 11,262 3.91 440	10-69	44 908	.00 36	\$ 53
23-58-0103	706009	117936	7-66	1 305 12,790 3.98 509	18 10,340 3.85 398	9-68	36 800	.01 33	48
23-58-0103	743336	117936	12-66	1 305 13,700 3.86 502	25 10,360 3.83 397	9-69	36 866	-.01 33	50
31-33-9019	707209	117936	11-65	3 305 16,410 3.60 624	15 11,800 4.01 473	11-69	42 1,104	-.02 41	63
31-57-0046	621227	106285	9-59	5 304 19,412 3.85 747	18 12,714 3.92 498	12-69	43 976	.00 38	57
31-57-0046	742978	117936	10-66	1 305 14,970 3.71 555	12 11,690 3.97 464	5-69	36 871	-.02 32	49
31-57-0046	742979	117936	10-66	1 305 13,300 4.30 572	12 11,690 3.97 464	5-69	36 747	.04 34	48
31-57-0046	742984	117936	2-67	1 305 15,100 3.98 601	12 11,690 3.97 464	5-69	36 881	.01 36	53
31-75-9700	709555	117936	9-66	2 304 20,625 4.00 826	15 14,045 3.85 541	12-69	40 1,283	.03 54	78
31-76-9088	704641	118691	10-64	2 305 18,815 4.00 753	13 12,960 4.00 519	10-68	30 832	.00 33	49
32-76-9773	708950	117936	8-66	1 305 19,970 3.63 724	22 14,810 3.93 582	4-69	36 1,035	-.03 37	58
32-76-9773	708954	117936	9-66	2 296 19,935 3.63 723	18 15,055 3.79 571	3-70 H	40 1,121	-.02 41	63
33-05-0511	702972	117936	10-65	2 305 17,820 3.96 706	11 14,895 4.08 608	1-69	40 921	.00 36	54
33-09-0001	688793	125928	11-64	4 297 16,455 3.61 594	5 11,432 3.67 419	1-70	41 916	-.05 30	49
33-61-0510	620620	103949	5-60	6 305 25,038 3.89 973	22 13,607 3.97 540	10-69	44 1,497	-.04 53	83
33-61-0510	664104	117936	8-62	5 302 15,668 3.75 587	15 13,058 3.93 513	7-69	44 907	-.02 33	51
33-61-0510	679083	117936	4-64	4 301 16,502 3.84 634	18 13,862 3.93 545	10-69	44 913	-.01 35	53
33-61-0510	679085	117936	5-64	4 282 20,375 3.72 757	18 14,065 3.92 552	1-70 8	44 1,368	-.04 49	76
33-61-0510	720576	117936	4-67	1 305 19,190 4.24 814	15 13,730 3.87 532	5-69	36 1,049	.05 47	66
33-92-0471	672668	117936	1-64	3 305 17,496 3.86 675	14 11,923 4.00 477	8-69	42 1,216	-.01 46	70
33-92-0471	724597	117936	11-66	1 305 18,500 3.81 705	12 12,570 3.96 498	8-69	36 1,075	-.01 41	62
33-95-0151	703975	117936	1-66	2 302 16,870 3.86 652	6 11,680 3.78 441	2-70	40 1,118	.01 45	66
34-39-0119	707968	117936	5-66	1 305 15,900 4.08 648	10 10,760 3.88 417	10-69	36 1,003	.02 42	61
34-81-0030	667881	103310	5-63	5 303 17,278 4.06 702	13 12,596 3.96 499	11-69	39 866	.03 38	54
35-10-0057	670269	120445	4-61	3 287 19,907 3.68 733	11 12,483 3.89 485	11-69 8	32 1,132	-.05 38	61
35-57-0022	679389	117936	1-64	3 305 14,896 3.79 564	10 11,713 4.12 483	7-69	42 939	-.03 33	52
35-57-0032	697890	117936	8-65	2 305 15,900 3.97 631	27 10,605 3.56 378	8-69	40 1,118	.04 49	70
35-68-0009	717524	117936	2-67	1 297 13,460 4.26 573	28 9,580 4.47 428	11-69	36 900	.01 36	53
41-15-0016	731385	124927	11-67	1 305 16,370 3.76 616	15 10,610 3.64 386	2-70	27 914	-.01 34	52
41-23-0231	696902	117936	7-65	1 305 17,380 3.59 624	18 10,260 3.87 397	12-68	36 1,147	-.02 42	65
41-23-0231	702888	117936	12-65	1 305 13,520 3.83 518	12 10,480 3.98 417	1-69	36 845	.00 33	49
41-23-0231	707207	117936	10-65	1 305 12,830 3.80 487	19 9,880 3.81 376	10-69	36 833	.00 33	49
41-23-0231	711466	124927	1-64	2 298 16,250 4.09 665	10 9,845 3.80 374	2-69	32 1,120	.03 47	68
41-25-0503	707554	106285	2-66	1 305 21,980 3.91 860	29 11,150 3.81 425	10-69	35 914	.02 38	55
41-50-0029	695241	122311	10-63	3 305 16,837 4.19 705	12 10,757 3.97 427	7-69	33 856	.05 40	55
41-55-9403	711489	124927	3-65	1 305 17,080 3.89 665	27 10,800 3.91 422	1-70	27 960	-.02 35	54
41-55-9403	711561	124927	4-65	1 305 16,310 3.80 619	13 10,510 3.82 401	3-70	27 917	-.02 33	51
41-72-0051	603940	117936	7-59	1 305 15,210 4.06 617	14 11,890 3.76 447	12-68	36 876	.03 38	54
42-03-0156	686377	117936	10-64	3 293 14,666 4.15 608	13 11,213 3.98 446	10-68	42 964	.04 42	60
42-03-9156	669539	117936	4-63	5 292 12,956 4.30 557	10 11,050 3.92 433	10-69	44 790	.06 38	52
42-22-9191	685031	117936	9-64	3 305 14,710 3.83 564	16 12,290 3.78 464	10-69	42 858	.01 35	51
42-22-9191	700818	117936	2-66	2 296 14,930 3.74 558	15 12,510 3.84 480	9-69	40 846	-.01 32	49
42-22-9191	713066	117936	5-66	1 305 21,040 3.58 754	9 14,170 3.76 533	5-69	36 1,157	-.03 42	65
42-28-0133	647329	117936	10-61	4 295 15,635 3.85 602	39 12,372 3.59 444	3-69	44 971	.03 42	60
42-28-0133	696176	117936	8-65	2 250 16,050 3.31 531	46 12,495 3.42 427	4-69 8	40 961	-.03 34	53
42-28-0133	696903	117936	7-65	2 278 15,985 3.08 492	46 12,450 3.45 429	1-69	40 958	-.06 30	50
42-28-0133	697434	117936	8-65	2 305 13,090 3.85 504	36 11,340 3.44 390	7-69	40 766	.04 35	49
42-28-0133	742051	117936	5-67	1 305 12,850 3.74 481	25 10,350 3.57 369	12-69	36 803	.01 33	48
42-28-0133	742054	117936	8-67	1 305 13,950 3.66 510	25 10,350 3.57 369	12-69	36 885	.00 35	52
42-51-0012	696901	117936	2-65	2 304 14,070 4.02 566	16 11,670 3.94 460	8-69	40 835	.02 35	51
42-51-0012	696982	117936	10-65	1 305 14,040 3.85 540	22 11,260 4.04 455	8-69	36 831	.00 32	48
42-53-0128	692912	117936	4-65	3 304 16,036 3.12 500	31 11,226 3.56 400	8-69	42 1,120	-.08 34	57
42-53-0128	696907	117936	9-65	2 305 20,750 3.20 665	31 12,675 3.38 428	1-70	40 1,421	-.06 48	77
42-53-0128	701541	117936	11-65	2 305 14,550 3.39 493	30 11,105 3.45 383	9-69	40 935	-.02 34	52
42-53-0128	707206	117936	10-65	1 305 16,440 3.47 570	26 12,200 3.37 411	1-70	36 947	.00 37	55
42-53-0128	713659	117936	8-66	2 266 15,815 3.13 495	38 11,520 3.44 396	3-70	40 1,026	-.06 33	54
42-53-0128	720530	117936	1-65	2 255 17,425 3.42 596	31 11,800 3.45 407	4-70	40 1,164	-.02 43	66
42-53-0128	725157	117936	4-67	1 305 17,080 3.35 573	20 12,360 3.37 417	12-69	36 984	-.01 37	56
42-85-9072	710161	126640	11-65	2 305 19,225 3.90 749	8 12,600 3.79 477	7-69	30 1,173	.02 48	70
42-85-9072	710162	126640	1-66	2 305 18,320 4.00 732	7 12,590 3.80 478	8-69	30 1,067	.04 46	66
42-85-9072	720165	126640	7-65	2 303 20,815 3.75 781	8 14,100 3.71 523	12-69	30 1,202	.00 47	70
42-85-9072	720168	126640	2-67	1 302 20,140 3.62 730	7 13,530 3.87 524	9-69	24 1,006	-.04 35	55
42-85-9072	734458	126640	10-66	1 305 19,350 3.61 699	7 14,310 3.83 548	10-69	24 873	-.03 30	48
42-92-9022	713660	117936	9-66	2 299 14,805 3.30 488	6 10,745 3.61 388	4-70	40 994	-.05 33	53
42-92-9022	716641	117936	12-66	2 305 13,625 3.59 489	6 10,745 3.61 388	4-70	40 874	.00 34	51
42-96-0027	585154	117936	10-58	8 304 14,561 3.64 530	10 11,125 3.79 422	11-68	44 989	-.02 36	56
42-96-0027	679969	117936	7-64	4 292 13,627 3.63 495	14 10,492 3.81 400	10-69	44 932	-.02 34	52
46-26-9006	668746	122059	5-63	3 304 15,447 3.99 616	5 9,853 3.77 371	6-69	33 811	.05 38	53
48-14-9016	629509	106285	1-61	6 298 16,088 4.29 690	35 10,753 4.20 452	11-68	43 771	.05 36	50
48-45-9030	607997	116628	11-58	6 305 17,052 3.89 664	30 11,462 3.76 431	10-68	43 1,024	.02 42	61
48-50-0055	706827	117936	3-66	1 278 16,090 3.85 619	7 11,240 3.47 390	6-69	36 985	.03 42	60
51-07-0253	637722	113325	7-60	3 305 16,990 4.03 685	8 11,197 3.71 415	1-69	32 801	.06 39	53
51-17-9001	671395	117936	1-64	3 245 13,963 3.90 545	26 11,150 3.92 437	5-69	42 890	.00 35	52
51-17-9001	746556	117936	8-67	1 305 14,340 4.34 622	37 11,840 4.10 485	2-70	36 814	.04 36	51
52-56-6029	676808	117936	8-63	4 302 21,175 3.98 842	18 13,862 4.05 562	1-70	44 1,490	.00 58	87
52-56-6029	676809	117936	8-63	4 300 16,445 4.01 659	23 13,550 4.01 544	8-69	44 940	.01 38	56
52-56-6029	687082	124939	8-64	3 305 18,440 3.93 724	19 13,060 4.11 537	7-69	32 891	-.04 30	48
52-56-6029	706994	117936	5-66	2 305 18,290 3.99 730	23 13,575 4.02 546	10-69	40 1,089	.01 44	65
52-56-6037	660374	117936	12-62	1 305 19,170 4.35 834	8 11,310 4.01 454	10-68	36 1,210	.05 54	76
52-56-6042	662213	119554	12-62	2 305 19,240 3.93 757	13 12,755 3.97 506	3-69	39 919	-.02 34	52
52-56-6042	701828	117936	1-66	2 305 18,430 4.00 737	9 13,315 3.95 526	8-69	40 1,127	.02 46	67
58-06-0028	670010	117936	12-63	2 305 15,995 3.64 582	12 11,410 3.78 431	4-69	40 1,054	-.02 39	60
58-06-0028	678105	117936	2-64	2 305 14,025 3.69 517	15 11,885 3.77 433	3-69	40 847	-.01 32	49
58-06-0028	720358	117936	3-67	1 305 13,820 3.64 503	32 9,770 3.82 373	12-69	36 914	-.01 34	52
58-06-0028	726821	117936	9-67	1 305 13,860 3.72 515	32 9,770 3.82 373	12-69	36 917	-.01 35	53

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT FAT (%) (L8)	OOL- LARS
58-06-0028	729178	117936	7-67	1 305 12,420 3.83 476	32 9,770 3.82 373	12-69	36	810	.00	32 \$ 48
61-31-0060	676890	117936	3-64	2 164 13,970 3.53 493	14 11,025 3.72 410	9-69	40	884	-.02	32 49
61-32-0509	682119	117936	3-64	4 240 13,570 3.94 535	8 11,182 3.77 422	10-69	8 44	849	.02	36 52
65-03-0052	686497	117936	12-64	3 305 16,480 3.61 595	27 10,560 3.68 389	1-70	42	1,240	-.02	46 70
65-03-0052	691524	117936	9-64	3 292 12,883 3.65 470	23 9,620 3.69 355	9-69	42	924	-.01	35 53
65-03-0052	699028	117936	9-65	3 305 14,090 3.53 497	37 10,843 3.67 398	3-70	42	936	-.02	34 53
72-16-0012	673491	117936	9-63	1 305 12,180 4.25 518	6 8,210 3.74 307	10-69	36	897	.04	40 56
73-45-0031	672353	120140	11-62	3 304 18,390 3.77 693	16 12,060 3.78 456	6-69	32	999	.00	39 58
84-03-9461	723362	117936	1-67	1 305 13,200 4.19 553	15 11,110 4.12 458	8-69	36	778	.02	33 48
91-62-5016	680977	117730	4-59	4 305 19,515 3.86 754	12 12,613 3.65 460	7-69	30	1,072	.03	45 65
91-62-5016	728329	117936	10-67	1 305 22,490 3.82 858	16 13,590 3.73 507	2-70	36	1,304	.01	52 77
91-68-0057	712887	117936	7-66	1 99 14,860 3.28 488	39 10,530 3.79 399	6-69	8 36	941	-.04	32 51
93-49-9124	656179	120135	10-62	5 304 15,760 4.89 770	55 12,978 3.87 502	10-69	42	494	.22	45 50
93-49-9124	695568	120135	4-65	3 305 17,950 4.42 794	56 13,070 3.95 516	9-69	40	707	.13	43 54
93-49-9124	712058	125224	8-66	2 303 19,605 4.21 825	52 13,900 3.95 549	1-70	30	828	.04	37 52
93-49-9124	734604	117936	4-67	1 305 18,790 4.04 760	65 13,290 4.09 543	7-69	36	1,049	.01	42 62

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS.

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C REPT MO-YR D (%)	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS			
11-10-0112	2363481	523029	3-66	3 305	14,047	4.43	622	7	11,923	4.69	559	4-70	41	505	-.05	18	\$ 28
11-10-0112	2454449	570735	2-68	1 305	13,880	4.92	683	5	12,330	4.71	581	4-70	30	476	.03	25	33
11-15-0009	2098694	540566	7-61	6 305	12,378	4.79	593	14	9,205	4.65	428	10-69	36	521	.05	29	38
11-15-0009	2363367	475595	3-66	2 305	14,980	4.41	660	19	9,090	4.55	414	1-70	40	908	.00	42	58
11-15-0011	2223993	557229	8-63	2 305	14,390	4.54	653	15	10,650	4.90	522	11-69	25	486	-.05	18	28
11-15-0017	2354489	536475	10-65	2 300	12,000	4.88	586	8	8,355	4.57	382	9-69	39	463	.06	28	35
11-15-0116	2092995	547287	5-61	6 303	13,798	4.70	648	12	10,925	4.90	535	4-69	37	528	-.01	23	33
11-15-0116	2092997	547287	7-61	6 299	13,283	4.91	652	16	11,116	4.88	543	12-68	37	427	.03	23	30
11-18-0002	2227498	523029	9-63	4 305	12,070	5.37	648	7	10,593	5.05	535	6-69	42	423	.05	25	32
11-18-0002	2299868	475595	1-65	3 285	12,643	5.08	642	9	10,630	4.92	523	9-69	42	548	.05	31	40
11-18-0179	2247267	523029	7-63	1 305	13,210	4.87	643	17	10,250	4.17	427	2-70	35	485	.04	27	35
11-18-0180	1921103	529517	8-58	5 301	11,404	4.67	532	8	8,792	4.83	425	2-70	35	450	.00	21	29
11-20-0037	2157033	504702	4-62	6 301	11,521	5.31	612	18	10,193	4.78	487	3-70	42	323	.09	24	28
11-20-0037	2398046	511244	9-66	2 295	15,235	4.75	723	16	11,085	4.53	502	2-70	40	614	-.03	25	37
11-23-0023	2385132	565324	9-66	2 305	15,880	4.35	691	15	10,295	4.73	487	2-70	25	715	-.06	27	41
11-23-0027	2313164	523029	2-65	3 303	14,867	4.03	599	11	10,893	4.64	505	5-69	41	709	-.12	21	36
12-15-0164	2126984	542269	3-61	5 305	12,278	4.40	540	20	8,740	4.54	397	10-68	42	495	-.01	22	31
12-16-0149	2258696	538021	3-64	3 305	11,276	4.69	529	17	8,566	4.69	402	12-68	40	446	.02	23	31
12-16-0162	2360742	533769	9-65	2 211	16,080	4.06	653	5	10,960	4.25	466	5-69	8 40	761	-.14	21	37
12-17-0104	2426761	505970	10-65	1 305	13,030	3.91	509	6	10,090	4.42	446	3-69	35	714	-.18	15	31
12-17-0161	2407623	505970	2-67	1 301	12,290	4.61	567	12	9,380	4.69	440	10-69	35	706	-.12	20	35
12-17-0161	2417133	505970	5-67	1 305	12,120	4.36	528	12	9,820	4.43	435	1-70	35	663	-.13	17	31
13-04-0502	2264749	543818	7-64	3 303	12,057	4.87	587	6	9,743	4.87	474	10-69	41	545	-.08	17	28
13-04-0502	2362494	533769	1-66	2 292	15,290	4.04	618	7	11,035	4.66	514	12-69	40	674	-.18	13	28
13-09-0204	2379625	505970	11-66	1 264	11,210	5.01	562	29	9,220	5.01	462	10-68	35	635	-.11	18	31
13-09-0204	2414798	546626	7-67	1 294	14,440	5.26	760	14	9,190	5.01	460	7-69	35	465	.07	29	36
13-09-0204	2431414	552896	11-67	1 299	12,900	4.70	606	26	10,170	4.98	506	1-70	28	574	-.06	21	32
13-09-0221	2236938	549235	11-63	4 246	11,895	4.10	488	5	8,773	4.51	396	2-69	8 44	673	-.17	14	29
13-11-0116	2356844	566422	11-65	2 305	14,780	4.29	634	16	10,435	4.90	511	3-70	29	628	-.12	17	30
13-11-0116	2385586	566422	6-66	2 302	14,025	4.60	645	24	9,695	4.90	475	10-69	29	617	-.05	23	35
13-11-0436	2361485	528754	1-65	2 305	12,875	4.80	618	36	10,205	4.81	491	11-68	40	630	.10	40	50
13-11-0436	2382083	528754	9-66	2 305	12,910	4.90	633	17	10,205	4.74	484	4-70	40	633	.12	42	51
13-11-0436	2435156	528754	9-66	2 305	12,035	5.10	614	17	10,395	4.68	487	3-70	40	527	.15	40	47
13-12-0001	2276431	505970	1-63	4 301	12,743	4.33	552	11	9,635	4.63	446	1-70	43	820	-.15	22	40
13-13-0312	2251741	538021	9-63	4 305	13,290	5.23	695	12	9,662	4.81	465	7-69	41	597	.10	38	47
13-14-0160	2187511	496783	1-63	5 301	14,678	4.55	668	23	11,116	4.63	515	11-69	44	589	.02	29	39
14-10-0026	2342808	552752	6-65	2 305	13,405	4.64	622	25	10,335	4.75	477	1-69	36	502	-.01	22	31
14-10-0026	2342809	567582	6-65	3 305	13,253	4.73	627	20	9,327	4.72	440	3-70	29	555	.01	27	37
14-10-0026	2347689	561873	2-66	1 305	12,380	4.77	591	15	8,710	4.80	418	5-69	33	538	.02	27	36
14-10-0337	2266656	505970	1-64	3 240	12,217	4.06	496	7	9,827	4.44	436	3-70	8 42	724	-.17	16	32
14-10-0337	2268226	505970	1-64	3 248	12,353	4.36	539	6	9,247	4.39	406	1-70	8 42	801	-.13	24	41
14-10-0337	2328369	505970	3-65	2 305	14,590	3.53	515	6	8,675	4.65	403	11-68	40	1,052	-.27	20	44
14-12-0102	2169596	552607	9-62	5 305	15,206	4.97	755	17	12,298	4.86	598	11-68	36	635	.05	35	46
14-12-0102	2212702	552607	7-63	4 305	14,555	4.77	695	14	12,173	4.81	586	2-69	35	542	.02	27	36
14-12-0102	2232104	552607	8-63	4 305	13,265	5.24	695	16	12,060	4.83	583	11-68	35	372	.10	27	32
14-12-0102	2275976	552607	7-64	4 303	14,070	4.96	698	17	11,920	4.86	579	11-69	35	505	.05	28	36
14-12-0102	2383746	533769	9-66	1 305	14,860	4.97	738	14	11,060	4.95	547	9-68	36	536	-.08	17	28
14-12-0102	2440410	553667	10-67	1 305	12,920	4.98	643	15	10,980	5.00	549	9-69	35	386	.04	22	28
14-12-0102	2440411	553667	12-67	1 305	13,000	5.38	700	15	11,380	4.90	558	10-69	35	365	.09	26	31
14-14-0038	2194794	505970	10-62	5 300	12,816	4.06	520	20	9,458	4.41	417	4-69	44	863	-.17	22	41
14-14-0038	2265448	549235	3-64	4 303	14,343	4.06	582	27	9,568	4.57	437	9-69	44	887	-.19	21	40
14-14-0038	2408279	505970	9-66	2 305	13,080	4.22	552	23	10,515	4.60	484	3-70	40	729	-.16	17	33
14-14-0053	2295713	505970	7-64	3 299	12,870	4.42	569	30	9,763	4.80	469	1-70	42	807	-.16	21	38
14-14-0056	2200904	505970	9-62	5 303	12,894	4.16	536	11	10,202	4.90	500	5-69	44	785	-.22	14	32
14-14-0099	2105975	505970	10-61	5 305	17,204	3.81	655	24	12,504	4.86	608	9-69	44	1,078	-.31	17	42
14-14-0099	2174636	553845	7-62	5 305	15,512	4.71	731	20	13,524	4.68	633	6-69	34	461	.02	23	31
14-14-0099	2359086	561873	5-66	2 305	16,815	4.75	798	27	13,755	4.72	649	11-69	37	608	.02	30	41
14-14-0099	2359089	561873	12-65	2 305	16,010	4.55	728	17	12,815	4.85	622	8-69	37	612	-.03	25	37
14-14-0099	2380384	561873	8-66	2 305	17,140	4.26	730	20	13,850	4.67	647	2-70	37	633	-.06	23	36
14-14-0125	2235747	553356	10-63	4 303	15,022	4.22	634	8	10,690	4.57	489	3-69	39	752	-.03	32	46
14-14-0222	2286940	526294	8-64	3 305	12,540	4.80	602	13	9,646	4.63	447	2-70	42	505	-.02	21	31
14-14-0222	2409060	505970	5-67	1 305	13,050	4.02	525	14	9,870	4.39	433	6-69	35	730	-.16	17	33
14-14-0224	2141787	507798	1-62	6 303	15,942	4.48	714	14	12,543	5.21	653	3-70	35	631	-.12	17	30
14-14-0224	2299206	475548	5-65	3 305	15,513	4.94	766	18	11,807	5.23	618	6-69	42	591	.03	30	40
14-14-0224	2349687	511244	2-66	2 305	16,485	4.83	796	19	12,465	4.96	618	11-69	40	615	-.06	22	34
14-15-0015	2141144	537303	12-61	6 305	14,335	4.70	674	8	11,473	4.72	541	7-69	36	569	-.01	25	36
14-15-0015	2242431	529773	1-64	4 305	15,305	4.75	727	7	12,440	4.81	598	8-69	43	466	.05	27	35
14-15-0015	2280486	529773	1-65	3 304	15,960	5.13	818	15	13,000	4.68	608	12-69	42	461	.14	36	42
14-15-0117	2196502	496783	12-62	6 290	13,463	4.88	657	15	10,112	4.66	471	4-70	44	549	.07	33	42
14-15-0117	2265118	496783	12-63	4 305	16,303	4.31	702	25	10,248	4.70	482	2-70	44	868	-.04	36	52
14-15-0117	2378901	505970	11-65	2 305	13,970	3.84	536										

TABLE 2. GUERNSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C MO-YR D	.....C O W MILK (L8)	I N O E X..... FAT (%) (L8)	FAT (%) (L8)	DOL- LARS	
14-16-0009	2404538	505970	1-67	1 305 14,100 4.72 666	18 8,840 4.62 408	7-69	35	879	-1.10	30	\$ 48
14-16-0009	2414140	505970	3-67	1 305 14,270 3.74 534	11 10,640 4.77 507	11-69	35	770	-2.22	13	31
14-17-0003	2314581	505970	10-62	3 305 14,170 4.18 592	8 10,507 4.75 499	12-68	42	880	-1.19	21	40
14-17-0003	2314585	505970	11-63	1 305 13,130 4.49 590	6 10,390 4.68 486	2-69	35	701	-1.14	18	33
14-18-0213	2087235	526294	4-61	7 305 15,912 4.43 705	10 11,092 4.71 522	4-70	44	809	-0.09	28	44
14-18-0213	2313692	505970	2-65	3 305 14,883 4.35 647	15 12,477 4.77 595	4-69	42	757	-1.17	17	34
14-19-0017	2033401	545201	7-60	4 302 13,593 5.27 717	23 12,050 4.78 576	1-69	39	304	.13	27	30
14-19-0017	2336472	562021	12-65	2 305 14,950 5.20 778	16 10,735 4.77 512	12-69	40	496	.11	34	41
14-19-0017	2384065	505970	12-66	1 305 16,540 4.24 702	24 12,910 4.59 592	1-69	35	787	-1.16	20	37
14-19-0017	2417464	570735	8-67	1 305 13,330 4.58 610	18 10,480 4.84 507	9-69	30	568	-0.01	25	35
14-19-0155	2263038	529773	9-63	3 305 13,130 4.90 644	17 9,413 4.54 427	10-69	42	507	.10	34	41
14-19-0155	2392466	561873	8-66	2 305 12,065 4.05 489	21 9,410 4.51 424	10-69	37	518	-0.05	19	29
14-19-0155	2418795	533769	11-66	2 305 14,285 4.12 588	16 9,980 4.57 456	3-70	40	668	-1.16	15	30
14-19-0155	2437975	570735	8-67	1 283 11,660 4.62 539	16 9,770 4.44 434	2-70	30	483	.02	24	32
15-11-0118	2031713	538537	2-60	2 305 14,380 4.42 635	22 8,745 4.69 410	1-69	28	723	-0.05	28	42
15-11-0118	2107186	522735	10-61	3 305 12,067 4.33 523	20 8,603 4.67 402	3-69	34	559	-0.05	21	32
15-11-0118	2195918	496783	3-63	2 305 13,390 4.30 576	18 9,045 4.64 420	4-69	40	554	-0.01	25	35
15-11-0118	2319920	564766	1-65	2 305 13,480 3.91 527	19 9,215 4.69 432	12-68	28	689	-1.15	17	32
15-11-0118	2391282	564766	3-67	1 305 12,180 4.43 539	13 8,480 4.88 414	2-70	22	516	-0.07	17	28
15-11-0118	2443081	564766	9-67	1 297 11,230 4.55 511	8 7,770 4.43 344	9-69	22	488	-0.03	20	29
15-11-0118	2447042	564766	1-68	1 305 12,810 4.12 528	11 8,380 4.89 410	1-70	22	582	-1.11	16	28
15-11-0153	2279540	553356	12-64	1 305 12,690 4.18 522	19 9,550 4.57 436	1-70	30	423	.00	20	28
16-02-0025	2272388	505970	7-64	3 305 11,377 5.13 584	8 10,053 4.79 482	12-69	42	602	-0.06	22	34
16-04-0003	1956130	530211	1-59	7 303 14,591 4.82 704	21 11,415 4.83 551	10-69	42	448	.08	29	36
16-04-0112	2040188	418803	12-60	3 298 13,537 4.47 605	27 9,690 4.64 450	4-69	42	484	.01	23	32
16-04-0112	2340239	505970	7-65	3 298 14,933 4.74 708	26 9,870 4.69 463	1-70	42	1,036	-0.09	38	58
16-04-0112	2382004	552752	11-66	2 300 12,905 4.61 595	28 9,910 4.72 468	12-69	36	460	-0.01	20	29
16-04-0112	2438633	538021	12-67	1 305 14,310 4.91 702	25 9,710 4.69 455	1-70	33	509	.05	29	37
16-04-0219	2216699	505970	9-61	4 305 11,305 4.15 469	12 8,613 4.47 385	3-69	43	756	-1.16	18	35
16-06-0026	1970709	505970	4-59	8 297 14,730 4.71 694	13 12,014 4.96 596	7-69	44	812	-1.13	24	41
16-06-0026	2328557	504932	1-65	3 303 16,670 4.77 795	13 13,193 4.78 631	8-69	41	526	.06	30	39
16-06-0026	2352734	561873	1-66	2 305 15,515 4.43 687	8 12,650 4.89 618	12-68	37	575	-0.05	22	33
16-06-0029	1915940	526294	6-58	9 282 15,211 4.47 680	19 11,637 4.89 569	6-69	44	653	-1.11	19	33
16-06-0029	1941255	475548	3-59	5 305 15,388 4.93 758	13 13,070 4.88 638	11-68	44	477	.07	29	36
16-06-0029	1961775	475548	7-59	6 305 14,420 5.19 749	15 12,738 4.85 618	10-68	44	389	.12	30	35
16-06-0029	2009032	525327	11-59	7 304 15,727 5.10 802	24 13,248 4.94 655	7-69	41	455	.09	30	37
16-06-0029	2024944	533016	1-60	6 302 16,908 4.35 736	23 12,420 4.94 613	10-69	37	773	-1.13	22	38
16-06-0029	2184386	511244	9-62	3 305 17,423 4.56 795	25 12,707 4.89 622	3-69	42	756	-1.11	24	40
16-06-0029	2355748	475548	9-65	2 305 14,785 4.75 702	31 12,715 4.72 600	6-69	40	381	.05	23	29
16-06-0029	2355749	565951	8-65	2 305 15,225 5.02 765	31 12,715 4.82 613	6-69	25	357	.05	22	28
16-06-0029	2444090	505970	4-67	1 300 14,650 4.14 607	19 12,390 4.71 583	10-69	35	680	-1.18	13	28
16-06-0034	2318756	505970	10-64	4 300 14,715 4.68 689	17 13,328 4.70 626	3-70	43	652	-1.11	19	33
16-06-0034	2340395	557954	2-65	2 302 17,365 4.09 710	17 13,520 4.55 615	2-70	29	679	-1.12	19	33
16-06-0034	2412343	533769	7-66	2 302 18,795 3.99 749	15 13,660 4.49 613	12-69	40	790	-1.19	17	35
16-06-0034	2432332	505970	6-67	1 305 14,640 4.18 612	20 12,740 4.41 562	5-69	35	655	-1.15	15	29
16-06-0034	2440596	533769	7-67	1 305 16,940 4.40 745	6 12,940 4.40 569	10-69	36	565	-1.10	16	28
16-06-0034	2468844	538021	3-68	1 305 17,150 4.99 855	14 13,770 4.52 623	3-70	33	446	.08	29	36
16-06-0036	2100004	496783	10-61	6 305 15,892 4.49 714	12 13,977 4.56 638	3-70	44	414	.02	21	28
16-06-0036	2245254	539419	5-63	1 305 15,190 4.09 621	28 9,870 4.52 446	1-70	35	574	-1.10	16	28
16-06-0036	2308969	553764	2-64	2 305 14,040 4.40 618	15 8,670 4.69 407	10-69	30	855	-0.05	34	50
16-06-0036	2333283	558188	4-65	2 305 12,990 4.41 573	19 9,110 4.72 430	6-69	30	530	-0.06	18	29
16-06-0036	2332844	561873	6-65	3 299 12,553 4.43 556	23 9,823 4.61 453	11-69	39	562	-0.02	24	35
16-06-0036	2368786	519383	12-65	2 305 11,880 5.06 601	26 9,030 4.68 423	8-69	39	359	.06	23	28
16-06-0036	2391447	561873	8-66	1 305 12,440 4.54 565	26 10,530 4.51 475	2-70	33	413	.02	21	28
16-06-0036	2395509	561873	11-66	1 305 13,650 4.04 551	20 10,730 4.36 468	2-69	33	495	-0.03	20	29
16-06-0050	2044869	505970	11-60	5 305 12,174 5.08 618	38 10,530 4.98 524	11-68	44	653	-0.08	22	35
16-06-0050	2096474	505970	3-61	6 305 13,107 4.66 611	38 10,402 5.01 521	11-68	44	790	-1.14	22	39
16-06-0050	2104898	459069	5-61	5 305 13,770 4.89 674	45 10,646 5.02 534	10-69	39	434	.01	21	29
16-06-0050	2120550	475548	10-61	6 300 15,018 4.92 739	38 11,092 4.86 539	3-70	44	661	.07	38	49
16-06-0050	2277310	526294	5-64	4 305 13,970 4.47 625	36 11,000 4.85 534	3-70	43	550	-0.09	16	28
16-06-0050	2282368	526294	7-64	4 305 14,672 4.50 660	45 10,952 4.85 531	11-69	43	643	-1.10	20	33
16-06-0050	2354190	565965	12-65	2 305 12,895 4.96 640	31 10,440 4.86 507	4-69	30	412	.05	24	31
16-06-0050	2366392	565965	3-66	2 305 14,340 4.16 596	20 10,580 4.78 506	2-70	30	567	-0.07	19	30
16-06-0050	2374043	565965	6-66	2 305 13,100 4.95 648	30 11,175 4.72 528	11-69	30	358	.05	22	28
16-06-0050	2407999	565965	11-66	2 305 14,785 4.65 687	24 11,320 4.76 539	3-70	30	541	.01	26	36
16-06-0050	2431952	568345	7-67	1 305 14,950 5.34 798	42 11,340 4.77 541	11-69	33	444	.05	26	33
16-06-0050	2438244	553667	10-67	1 305 15,330 4.85 744	40 11,270 4.78 539	11-69	35	550	.05	31	40
16-06-0067	2174037	505970	10-62	5 303 13,270 4.06 539	24 9,182 4.64 426	2-70	44	954	-0.20	23	44
16-06-0069	1696439	461861	12-55	11 302 13,248 5.00 663	14 11,038 4.71 520	5-69	39	358	.12	29	33
16-06-0069	2228953	505970	8-63	5 265 13,280 4.19 557	11 11,188 4.61 516	4-70	8 44	720	-1.18	15	31
16-06-0069	2261705	505970	3-64	3 305 13,500 4.20 567	16 11,477 4.58 526	2-69	42	700	-1.17	15	31
16-06-0069	2329016	561873	9-65	3 239 13,770 4.54 625	11 11,576 4.51 522	4-70	8 39	519	.01	25	34
16-06-0115	2318886	505970	10-63	4 305 12,135 4.82 585	8 9,635 4.78 461	5-69	43	745	-1.10	24	39
16-06-0115	2318890	505970	1-64	2 305 12,685 4.34 550	9 10,475 4.62 484	3-70	40	692	-1.16	16	31
16-06-0115	2353310	505970	4-66	2 305 15,745 3.59 566	7 9,765 4.78 467	1-70	40	1,070	-1.28	20	44
16-06-0116	2100999	505970	10-61	6 303 12,225 4.45 544	20 9,633 4.81 463	11-69	44	765	-1.15	20	36
16-06-0116	2245603	526294	2-63	4 305 13,595 4.53 616	11 10,332 4.72 488	1-70	43	578	-0.07	20	32
16-06-0122	1987320	505970	7-59	4 282 14,640 4.31 631	9 12,190 4.66 568	6-69	43	770	-1.17	18	35
16-06-0122	2225129	504932	8-63	4 299 13,990 5.12 716	10 12,440 4.57 569	1-70	42	307	.15	29	32
16-06-0122	2306184	505970	12-64	4 297 15,015 4.44 667	8 12,505 4.67 584	2-70	43	781	-1.15	21	38
16-06-0122	2306186	505970	2-65	2 302 15,330 4.18 641	9 12,625 4.70 593	7-69	40	765	-1.19	16	33
16-06-0122	2320036	505970	6-65	3 305 16,787 3.82 641	10 12,430 4.64 577	1-70	42				

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (L8)	I N O E X..... FAT (%) FAT (L8)	ODL- LARS				
16-06-0145	2213579	505970	3-63	3 305	13,307	4.46	593	18	10,490	4.92	516	12-68	42	781	-.17	19	\$ 36
16-06-0145	2242634	504932	10-63	3 304	12,780	5.23	669	12	10,523	4.99	525	3-69	41	352	.11	27	32
16-06-0145	2270177	504932	9-64	3 305	13,163	4.72	621	18	10,537	4.82	508	9-68	41	396	.05	23	29
16-06-0145	2270404	505970	8-64	4 302	14,478	4.24	614	18	10,303	4.84	499	8-69	43	961	-.19	24	45
16-06-0145	2296610	505970	1-65	3 297	13,297	4.21	560	17	10,533	4.79	505	6-69	42	776	-.19	16	33
16-06-0145	2383845	519383	5-66	2 305	13,595	5.17	703	18	11,040	4.73	522	6-69	39	349	.08	24	29
16-06-0145	2383846	505970	7-66	2 304	13,050	5.10	665	17	10,655	4.83	515	10-69	40	713	+.08	25	39
16-06-0145	2450927	570735	11-67	1 305	12,760	5.17	660	9	11,700	4.70	550	2-70	30	431	.06	26	33
16-06-0145	2450928	570735	1-67	1 305	13,160	4.92	647	11	11,790	4.72	556	1-70	30	457	.03	24	32
16-06-0208	1951156	475548	.0-58	7 303	13,169	4.84	637	29	11,443	4.77	546	3-69	44	378	.06	24	30
16-06-0208	2281156	548911	6-64	4 303	13,985	4.86	679	27	12,240	4.75	582	11-69	35	429	.02	22	29
16-06-0208	2355116	548911	12-65	2 305	13,640	4.76	649	17	11,425	4.64	530	6-69	31	436	.02	22	30
16-06-0208	2443372	553667	10-67	1 305	14,290	4.77	682	30	12,340	4.65	574	11-69	35	397	.06	24	30
16-06-0208	2448397	546331	11-67	1 305	15,410	4.32	665	28	12,450	4.65	579	12-69	35	449	-.01	20	28
16-06-0221	1856357	500115	8-57	3 305	13,690	5.64	772	17	10,303	4.82	497	5-69	36	540	.16	41	48
16-06-0221	2078235	496783	10-60	8 296	13,461	4.94	665	22	11,378	4.78	544	1-70	44	402	.07	26	32
16-06-0221	2078240	500115	11-60	3 305	17,947	4.29	770	20	11,980	4.79	574	10-68	36	895	-.09	32	50
16-06-0221	2406224	546331	12-66	1 246	14,530	4.34	630	31	11,500	4.63	532	12-68	8 35	447	-.01	20	28
16-06-0372	2100972	543993	6-61	4 283	12,515	4.87	610	9	9,365	4.66	436	4-69	35	391	.07	25	31
16-10-0037	2184363	511244	11-62	4 284	14,308	4.64	664	30	11,093	4.51	500	12-69	43	585	-.04	23	34
16-10-0037	2218391	517302	8-63	3 305	14,270	4.92	702	22	11,213	4.55	510	10-68	34	486	.04	27	35
16-10-0037	2408369	501586	1-67	1 280	13,260	4.70	623	22	10,790	4.51	487	10-69	35	486	.00	23	32
16-10-0041	1922420	515262	2-59	8 305	12,996	5.00	650	29	10,738	4.86	522	6-69	36	399	.03	22	29
16-10-0041	1951925	523866	12-58	7 305	13,411	5.09	682	31	10,641	4.82	513	8-69	38	514	.07	31	39
16-10-0041	2128528	496783	12-60	2 305	12,055	4.73	570	26	8,690	4.82	419	1-69	40	451	.03	24	32
16-10-0041	2350673	565636	8-65	2 305	12,615	5.07	640	35	9,895	4.72	467	10-69	25	348	.07	23	28
16-10-0041	2421784	530228	1-66	2 305	14,885	4.22	628	30	10,355	4.74	491	11-69	32	636	-.13	16	30
16-10-0041	2421785	568266	4-66	2 305	15,590	4.39	684	27	10,655	4.70	501	1-70	25	637	-.05	24	36
16-10-0041	2426760	505970	3-65	2 296	13,190	4.13	545	26	9,780	4.63	453	8-69	40	808	-.18	19	37
16-10-0045	2176775	505970	9-62	3 302	14,127	4.37	617	14	10,700	4.73	506	9-68	42	855	-.16	23	41
16-10-0045	2215354	526294	5-63	4 297	15,330	4.21	646	9	11,247	4.63	521	12-68	43	692	-.12	20	35
16-10-0045	2281320	526294	7-64	3 305	15,863	4.77	757	11	10,813	4.81	520	2-69	42	769	-.04	32	47
16-10-0045	2374019	561873	3-66	1 291	13,410	4.73	634	16	10,220	4.75	485	5-69	33	512	.01	25	34
16-12-0010	2234458	505970	1-64	4 305	13,453	4.18	563	5	10,945	4.71	515	11-69	43	762	-.19	16	33
16-12-0010	2367010	505970	4-66	2 305	13,275	4.68	621	6	11,380	4.73	538	10-69	40	669	-.12	19	33
16-12-0017	1992315	505970	8-59	8 302	11,544	4.59	530	33	9,384	4.56	428	7-69	44	705	-.10	22	37
16-12-0017	2093256	505970	12-60	7 305	15,490	4.44	688	30	9,623	4.56	439	11-69	44	1,192	-.13	41	65
16-12-0017	2219988	526294	7-63	5 305	13,418	4.47	600	23	10,006	4.51	451	3-70	44	611	-.05	23	35
16-12-0017	2235162	504932	10-63	4 304	14,823	4.36	647	20	9,458	4.38	414	4-69	42	750	.03	38	51
16-12-0017	2323078	505970	3-65	3 305	11,983	4.02	482	29	9,673	4.46	431	12-69	42	713	-.17	15	31
16-12-0148	2016040	526294	5-60	4 305	12,005	4.98	598	42	9,682	4.86	471	10-69	43	453	-.02	19	28
16-12-0148	2286936	504932	2-64	3 303	12,420	4.81	597	48	9,533	4.88	465	6-69	41	414	.05	24	31
16-12-0148	2302063	496783	7-65	3 305	12,617	5.10	644	48	9,773	4.87	476	8-69	42	444	.08	29	36
16-12-0148	2395606	561873	4-65	1 305	14,690	4.93	724	44	10,490	4.74	497	12-69	33	594	.04	32	42
16-12-0148	2403715	561873	6-65	3 305	13,173	4.90	646	39	9,480	4.85	460	6-69	39	675	.03	34	46
16-12-0148	2410681	561873	7-65	3 305	11,413	5.08	580	46	9,590	4.85	465	8-69	39	450	.05	26	33
16-12-0148	2410701	561873	7-65	3 300	13,226	4.88	645	46	9,646	4.84	467	9-69	39	663	.03	34	45
16-12-0148	2437033	561873	4-66	2 305	11,745	4.84	569	49	9,450	4.93	466	7-69	37	480	.02	24	32
16-14-0068	2164383	505970	3-62	4 305	12,480	5.05	630	9	10,225	5.05	516	7-69	43	721	-.09	24	39
16-14-0068	2270299	505970	9-64	3 305	13,077	4.31	564	8	10,137	5.00	507	9-69	42	792	-.19	17	35
16-14-0068	2328022	505970	3-65	2 305	12,225	4.11	503	8	9,655	4.88	471	3-69	40	721	-.20	13	29
16-14-0077	2195424	523671	3-63	2 303	17,335	5.02	871	11	15,470	4.45	689	11-68	33	358	.12	29	33
16-14-0077	2288936	537680	3-65	3 302	14,723	4.86	716	15	12,767	4.74	605	6-69	8 41	525	.03	27	36
16-14-0077	2342986	537680	11-65	3 267	19,100	4.63	885	9	14,470	4.68	677	11-69	8 41	862	.00	40	56
16-14-0077	2342987	537680	12-65	2 301	23,100	4.16	962	11	13,925	4.65	648	10-69	8 38	1,269	-.10	48	73
16-14-0077	2369844	553667	7-66	1 299	17,460	4.99	872	15	15,170	4.53	687	10-68	35	445	.09	30	36
16-14-0077	2385590	553667	1-67	1 257	18,260	4.91	896	12	14,990	4.57	685	9-69	8 35	518	.08	32	40
16-14-0113	2321672	561873	5-65	3 294	13,703	4.47	612	5	10,826	5.02	544	8-69	39	592	-.06	21	33
16-16-0003	1990259	390190	8-59	8 305	12,645	4.73	598	20	9,008	4.68	422	12-69	43	442	.01	22	30
16-16-0003	2297176	533769	12-63	4 305	11,395	4.67	532	15	8,945	4.45	398	6-69	44	509	-.06	18	28
16-16-0076	2241496	505970	11-63	5 300	13,260	3.74	496	9	10,866	4.50	489	3-70	44	755	-.24	10	28
16-16-0076	2272613	505970	12-61	1 305	12,990	4.26	554	7	11,470	4.46	512	11-69	35	617	-.14	14	28
16-16-0076	2464067	543818	3-68	1 305	17,120	3.87	663	8	11,950	4.34	519	2-70	35	716	-.17	16	32
16-16-0076	2464071	505970	7-67	1 295	15,150	4.03	611	7	11,470	4.46	512	11-69	35	780	-.17	18	35
16-16-0078	2164417	505970	1-62	5 295	13,038	3.77	491	19	9,552	4.72	451	9-69	44	881	-.26	14	34
16-16-0078	2272251	505970	7-64	4 298	11,010	4.40	484	15	8,895	4.80	427	9-69	43	687	-.15	16	31
21-01-0062	2264187	505970	9-63	3 297	13,170	4.75	626	22	10,617	4.79	509	12-68	42	752	-.10	24	39
21-01-0062	2277820	528754	6-64	4 297	12,420	4.97	617	13	9,675	4.90	474	9-69	43	675	.11	43	53
21-01-0062	2297252	528754	12-64	4 302	13,768	4.67	643	20	10,770	4.76	513	3-70	43	720	.08	42	54
21-01-0062	2360743	528754	11-65	3 294	13,093	4.38	574	16	10,730	4.78	513	12-69	42	628	.04	33	44
21-01-0062	2360744	555130	11-65	2 302	15,465	4.11	6										

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS		
21-03-0982	2344999	511244	4-65	3 305	13,757	4.40	605	16	10,420	4.51	470	6-69	42	568	-.08	18	\$ 30
21-04-0312	2230723	511244	9-63	4 297	13,785	4.77	658	13	11,035	4.81	531	1-70	43	526	-.05	19	29
21-04-0312	2388580	528754	8-66	2 285	15,910	4.63	737	16	10,500	4.70	493	1-70	40	912	.09	52	67
21-04-0312	2447233	546331	1-68	1 305	13,220	5.10	674	13	11,520	4.59	529	3-70	35	347	.08	24	29
21-05-0011	2327003	528754	9-65	3 301	13,103	4.51	591	15	11,597	4.60	533	10-69	42	539	.08	33	41
21-05-0030	2084920	543818	12-60	4 305	13,988	5.40	756	15	11,170	4.94	552	12-69	42	642	.01	31	42
21-05-0030	2147945	552672	1-62	6 305	14,795	4.83	714	10	11,175	4.92	550	1-70	36	586	.00	27	38
21-05-0030	2262396	557344	1-64	5 299	14,014	5.22	731	12	12,132	4.81	583	2-70	32	338	.10	26	30
21-05-0030	2309486	528754	11-64	4 305	13,208	4.99	659	16	12,053	4.92	593	2-70	43	507	.11	35	42
21-05-0030	2378958	566714	8-66	1 305	16,150	4.84	782	22	11,490	4.95	569	9-69	19	461	.01	22	30
21-05-0030	2434209	528754	10-67	1 305	13,700	4.86	666	5	12,600	4.91	619	4-70	35	481	.11	33	40
21-05-0030	2451397	546331	10-67	1 305	15,840	4.64	735	16	12,430	5.09	633	2-70	35	483	-.01	21	30
21-05-0221	2088261	510634	1-61	3 305	16,853	4.38	739	29	11,753	4.76	559	3-69	42	707	-.08	25	39
21-05-0221	2203476	503512	3-63	4 291	13,420	4.67	627	16	11,475	4.64	533	10-69	43	332	.08	23	28
21-05-0221	2250998	554210	12-63	4 305	15,292	4.50	688	23	12,120	4.73	573	3-70	35	457	-.02	19	28
21-05-0221	2286594	533769	1-65	3 303	15,263	4.74	723	20	11,333	4.79	543	8-69	42	691	-.08	24	38
21-05-0221	2385982	533769	10-66	1 305	18,870	4.11	775	27	13,060	4.75	621	3-69	36	701	-.17	15	31
21-05-0221	2419595	536475	8-67	1 305	17,380	4.72	821	26	12,670	4.63	587	11-69	35	489	.04	27	35
21-05-0221	2438074	546331	10-67	1 305	15,720	4.89	768	30	12,640	4.70	594	1-70	35	460	.06	27	34
21-05-0221	2440771	546331	12-67	1 305	16,600	4.23	702	18	12,030	4.72	568	4-70	35	567	-.03	23	34
21-05-0244	2087666	513024	2-61	4 301	12,470	5.08	633	23	10,580	4.61	488	10-69	35	310	.11	25	29
21-05-0244	2238092	528754	11-63	4 304	13,283	4.84	643	23	11,255	4.63	521	4-70	43	605	.13	41	50
21-05-0244	2307723	536475	12-64	2 305	13,015	4.91	639	30	10,930	4.55	497	2-69	39	329	.08	23	28
21-05-0244	2419435	566205	10-67	1 305	15,410	4.09	630	25	10,200	4.61	470	1-70	22	642	-.11	19	32
21-05-0294	1931360	503512	11-58	5 300	14,628	4.09	599	15	9,716	4.50	437	4-70	44	708	-.03	30	43
21-05-0397	2263087	528754	2-64	1 305	12,850	5.77	741	16	10,740	4.64	498	10-68	H 35	543	.21	47	53
21-05-0397	2276513	528754	7-64	1 305	11,760	4.59	540	11	10,240	4.47	458	3-70	35	495	.11	34	41
21-05-0397	2315557	505970	2-65	2 294	12,640	4.74	599	19	10,765	4.61	496	11-69	40	661	-.10	20	34
21-05-0397	2372116	505970	12-64	3 271	12,550	4.32	542	6	10,547	4.41	465	4-69	42	687	-.13	18	33
21-05-0397	2394358	528754	10-66	2 305	15,905	3.92	624	17	10,715	4.57	490	12-69	40	892	-.01	40	56
21-05-0494	2246788	528754	9-63	3 304	11,520	4.60	530	31	9,073	4.56	414	12-69	42	619	.09	38	48
21-05-0982	2153388	507758	4-62	4 304	11,665	5.07	591	12	8,532	4.77	407	5-69	35	507	.07	31	39
21-05-0982	2157664	507758	6-62	5 303	11,240	4.90	551	14	9,104	4.79	436	4-69	36	383	.04	22	28
21-05-0982	2417117	505970	12-66	1 305	14,040	4.24	595	23	9,170	4.92	451	11-69	35	852	-.18	21	40
21-06-0149	2029388	503512	10-60	6 305	12,138	4.79	582	13	9,685	4.67	452	3-70	44	387	.08	26	32
21-06-0149	2334824	505970	6-65	3 294	12,960	4.59	595	7	9,653	4.77	460	5-69	42	829	-.13	25	42
21-06-0149	2348099	528754	9-65	3 305	12,760	5.01	639	17	10,717	4.60	493	3-70	42	591	.15	43	51
21-06-0149	2375597	505970	6-66	2 305	12,675	4.53	574	10	10,085	4.72	476	2-70	40	727	-.13	20	35
21-06-0149	2376812	505970	8-66	2 305	12,605	4.32	545	16	10,030	4.67	468	1-70	40	725	-.16	17	33
21-06-0655	2075823	465971	9-60	6 262	12,823	4.22	541	8	9,656	4.68	452	3-69	42	562	-.10	16	28
21-06-0655	2306352	560100	3-65	3 236	15,003	4.53	679	6	11,713	4.49	526	7-69	31	444	-.01	20	28
21-06-0655	2423598	570735	10-67	1 193	14,590	4.22	615	11	12,190	4.38	534	1-70	8 30	545	-.02	23	33
21-06-0708	2343148	543818	11-60	4 305	12,163	4.60	560	13	10,150	4.43	450	4-70	42	527	-.06	18	29
21-06-0950	2264507	505970	1-64	4 303	12,908	4.14	535	18	10,048	4.65	467	3-70	43	795	-.18	18	36
21-08-0267	2391221	505970	7-66	1 305	11,270	4.18	471	17	9,350	4.19	392	6-69	35	631	-.13	16	30
21-08-0309	2029127	496783	3-60	7 299	12,399	5.00	620	17	10,680	4.68	500	2-70	44	346	.09	25	30
21-08-0903	1953646	528660	1-59	7 255	11,899	4.22	502	8	8,743	4.43	387	12-68	8 35	517	-.05	19	29
21-09-0130	2274005	505970	5-64	4 298	12,628	3.85	486	9	9,750	4.71	459	1-70	43	793	-.24	12	31
21-10-0181	2179285	505970	12-62	5 301	12,156	4.65	565	23	10,230	4.54	464	1-70	44	686	-.10	22	36
21-10-0181	2293006	505970	6-64	3 305	12,580	4.52	569	15	10,387	4.49	466	4-70	42	708	-.10	22	37
21-10-0181	2296224	528754	8-64	3 305	11,327	4.75	538	23	9,883	4.56	451	8-69	42	511	.12	36	43
21-10-0181	2386143	528754	8-66	2 305	12,220	4.62	564	20	9,740	4.48	436	2-70	40	606	.11	39	48
21-10-0181	2392606	528754	7-66	1 305	12,180	4.83	588	16	8,950	4.57	409	9-69	35	614	.12	41	50
21-10-0181	2402043	528754	11-66	1 305	11,100	4.30	477	21	9,850	4.47	440	2-70	35	471	.09	31	38
21-11-0090	2042193	534362	8-60	4 305	14,975	5.14	770	20	11,635	4.86	565	4-69	35	419	.11	30	36
21-11-0090	2214060	527802	12-62	5 305	14,268	5.05	721	18	12,086	4.87	588	2-70	41	427	.00	20	28
21-11-0090	2274341	511244	7-64	4 295	16,638	4.77	794	14	12,465	4.85	605	3-70	43	721	-.06	27	41
21-11-0090	2395417	546331	12-66	2 305	18,205	4.53	825	18	12,990	4.78	621	4-70	40	758	-.01	34	48
21-11-0090	2403988	546331	2-67	1 305	16,500	4.95	816	10	12,270	4.88	599	10-69	35	544	.05	30	39
21-11-0090	2413702	546331	3-67	1 305	18,680	5.47	1021	8	12,800	4.85	621	9-69	35	672	.12	44	54
21-11-0090	2413703	546331	5-67	1 305	16,800	4.99	839	10	12,270	4.88	599	10-69	35	566	.06	32	41
21-11-0423	2282244	528754	10-64	3 271	11,227	4.93	553	12	9,507	4.85	461	5-69	42	539	.11	36	44
21-11-0423	2321235	528754	3-65	2 305	13,920	5.04	702	14	9,585	4.73	453	4-69	40	793	.15	52	64
21-12-0130	2112093	543818	4-61	7 302	15,814	4.28	677	17	11,409	4.79	547	10-69	43	865	-.17	22	41
21-12-0130	2254213	528754	9-63	5 298	13,464	4.98	671	13	11,904	4.68	557	12-69	44	561	.15	41	49
21-12-0130	2289035	505970	9-64	3 303	14,100	4.27	602	15	11,790	4.63	546	2-70	42	738	-.17	17	33
21-12-0130	2439958	570735	8-67	1 305	14,660	4.83	708	12	10,980	4.54	498	7-69	30	641	.04	34	45
21-12-0865	2283155	505970	12-64	3 302	11,963	4.46	533	5	10,490	4.66	489	4-69	42	625	-.14	15	29
21-13-0003	2283130	462105	12-62	4 304	14,065	4.59	646	17	10,495	4.58	481	3-70	42	470	.04	26	34
21-13-0003	2339375	536475	9-64	3 305	13,167	4.47	588	17	10,097	4.68	473	7-69	41	460	.01	22	30
21-13-0003	2339379	528754	2-65	3 301	13,700	3.											

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C MO-YR O	.....C O W REPT MILK (%) (L8)	I N D E X..... FAT FAT (%) (L8)	DOL- LARS
21-13-0328	2317142	552752	8-62	4 305 13,247 4.70 623	17 9,735 4.77 464	7-69	40	587 .00 27	\$ 38
21-13-0340	2200107	506243	2-63	4 303 14,610 4.44 648	18 10,223 4.87 498	6-69	43	719 -.07 26	40
21-13-0398	2164348	496783	6-62	4 305 14,575 4.88 711	28 12,538 4.74 594	1-70	44	400 .06 25	31
21-13-0398	2172698	528754	10-61	4 305 13,925 4.30 599	26 12,375 4.82 597	3-69	43	560 .01 27	37
21-13-0398	2227300	496783	11-62	5 305 14,776 5.31 785	15 12,798 4.64 594	4-70	44	407 .16 35	40
21-13-0398	2312746	546331	3-63	4 240 14,348 4.75 681	27 11,073 4.80 531	9-69	43	607 .03 31	41
21-13-0398	2346672	549235	2-65	3 305 15,327 4.24 650	31 12,047 4.81 580	1-70	42	711 -.19 13	29
21-13-0398	2384041	533769	11-66	1 305 16,960 4.44 753	19 12,520 4.67 585	2-69	36	595 -.12 15	28
21-13-0500	2426204	552896	1-68	1 305 12,220 4.89 598	29 11,030 4.62 510	2-70	28	451 -.01 20	28
21-13-0704	2120789	528754	7-61	7 303 11,923 5.17 616	41 9,564 4.71 450	2-70	44	635 .16 46	55
21-13-0704	2205019	520286	8-62	5 302 13,472 4.23 570	39 9,716 4.69 456	2-69	36	550 -.08 17	28
21-13-0704	2300332	528754	8-64	4 296 11,503 4.58 527	37 10,370 4.73 491	3-70	43	483 .07 30	37
21-13-0704	2315024	528754	11-64	4 286 11,323 4.45 504	40 10,155 4.73 480	1-70	43	485 .05 28	36
21-13-0704	2328337	528754	11-64	3 305 12,020 4.99 600	30 9,813 4.73 464	10-69	42	599 .13 41	50
21-13-0704	2357664	528754	7-65	3 305 12,047 5.25 632	35 10,360 4.79 496	4-70	42	545 .16 42	49
21-13-0704	2446274	570735	8-67	1 305 12,290 4.48 551	31 10,380 4.95 514	10-69	30	490 -.04 19	28
21-14-0067	2244829	528754	1-64	4 254 12,818 4.94 633	11 10,070 4.33 436	1-70	43	680 .17 49	58
21-14-0067	2348198	528754	2-66	2 305 11,535 4.69 541	12 9,425 4.33 408	3-69	40	565 .14 40	48
21-16-0032	1838341	516885	10-57	4 303 15,378 5.07 779	8 12,285 4.88 600	3-70	32	534 .06 31	40
21-18-0014	2295218	528754	8-64	3 302 12,210 5.14 628	13 10,730 4.51 484	1-69	42	525 .17 42	48
21-18-0014	2354438	528754	11-65	2 305 12,535 4.59 575	9 10,515 4.57 481	4-69	40	567 .09 36	45
21-18-0014	2358184	528754	12-65	3 303 12,943 4.66 603	15 10,717 4.52 484	1-70	42	612 .11 40	49
21-18-0014	2447692	528754	5-67	1 305 12,110 4.70 569	12 11,100 4.38 486	1-70	35	463 .12 34	40
21-18-0014	2456178	528754	10-66	1 305 12,500 4.37 546	14 9,950 4.62 460	12-68	35	570 .07 34	43
21-18-0462	2387196	528754	1-67	2 214 11,585 4.31 499	26 9,350 4.65 435	8-69	8 40	577 .06 33	42
21-19-0019	2252496	528754	4-64	4 288 11,258 4.64 522	6 10,248 4.71 483	2-69	8 43	466 .08 30	37
21-21-0097	2383767	528754	8-66	1 305 14,060 4.53 637	17 9,330 4.53 423	10-68	35	730 .10 44	55
21-21-0097	2419492	528754	5-67	1 305 11,230 4.43 498	15 8,930 4.34 388	7-69	35	544 .11 36	44
21-21-0526	2338360	505970	5-65	2 298 12,215 4.21 514	27 8,345 4.40 367	11-69	40	840 -.14 24	42
21-21-0924	2195296	463153	11-62	5 296 12,432 4.79 596	11 8,360 4.90 410	9-69	43	800 -.02 35	50
21-21-0945	2249594	505970	2-64	4 300 12,663 4.52 573	11 10,830 4.98 539	11-69	43	676 -.17 14	29
21-21-0945	2276356	505970	8-64	4 289 12,550 4.74 595	13 11,410 4.90 559	11-69	43	597 -.12 15	28
21-21-0945	2276357	528754	8-64	3 305 13,727 4.25 583	12 10,987 4.76 523	4-69	42	675 .02 33	45
21-21-0945	2290449	528754	1-65	2 305 12,100 4.75 575	13 10,220 4.72 482	2-69	40	550 .10 36	44
21-21-0945	2290450	528754	3-65	3 302 11,587 5.14 596	13 10,337 4.81 497	7-69	42	494 .14 37	44
21-21-0945	2316635	528754	4-65	3 303 13,297 5.50 731	13 11,373 4.70 534	1-70	42	585 .21 49	56
21-21-0945	2334622	505970	11-65	1 305 12,800 5.03 644	14 11,480 4.75 545	4-69	35	602 -.10 18	31
21-21-0945	2353714	528754	2-66	2 302 12,900 4.88 630	13 11,480 4.69 538	1-70	40	515 .13 37	44
21-21-0945	2353716	505970	1-66	2 305 17,065 4.37 745	14 11,555 4.96 573	12-69	40	1,040 -.19 28	50
21-21-0945	2367828	505970	8-66	2 305 13,075 4.86 636	10 11,005 4.93 542	9-69	40	683 -.11 20	34
21-21-0945	2374762	528754	11-66	2 296 14,835 5.29 785	13 11,350 4.70 533	1-70	40	725 .19 53	63
21-21-0945	2376053	528754	9-66	1 305 15,350 5.03 772	11 10,710 4.70 503	4-69	35	734 .14 49	60
21-21-0945	2383687	505970	1-67	1 302 11,770 4.97 585	7 10,120 4.95 501	8-69	35	617 -.11 17	30
21-23-0476	2300889	528754	12-64	1 305 13,610 4.66 634	41 10,400 4.75 494	11-68	35	623 .10 39	49
21-23-0476	2386374	528754	10-66	1 305 13,470 4.91 662	23 11,110 4.69 521	2-69	35	565 .13 39	47
21-23-0476	2430832	505970	8-67	1 300 12,320 4.41 543	45 10,400 4.64 483	10-69	35	639 -.14 15	29
21-23-0476	2430839	528754	9-67	1 279 12,240 4.41 540	42 10,890 4.50 490	12-69	35	487 .09 32	39
21-23-0976	1948321	525074	12-58	4 305 11,795 5.25 619	22 10,108 4.87 492	10-69	42	336 .10 26	30
21-23-0976	2243917	528754	11-63	4 302 13,090 4.82 631	22 11,453 4.92 564	2-69	43	559 .09 35	44
21-23-0976	2292528	528754	7-64	4 291 11,970 4.62 553	30 10,540 4.92 519	12-69	43	522 .06 30	38
21-23-0976	2346686	565515	7-65	2 305 14,585 5.56 811	25 10,780 4.96 535	1-69	29	459 .16 37	43
21-24-0219	2438347	505970	4-66	2 276 13,335 4.60 614	7 10,720 5.03 539	1-69	40	736 -.16 18	34
21-30-0001	2381963	505970	8-66	1 305 11,430 4.61 527	16 10,050 4.71 473	12-69	35	596 -.12 15	28
21-30-0079	2010101	522488	4-58	7 304 12,350 5.23 646	36 10,843 4.75 515	4-69	37	404 .14 33	38
21-30-0079	2230896	546331	4-63	3 305 14,703 4.56 670	30 11,777 4.68 551	4-69	42	551 .00 26	36
21-30-0079	2320124	496783	1-65	3 305 13,650 5.08 694	29 11,977 4.78 573	12-69	42	335 .09 25	29
21-30-0079	2343004	546331	10-65	2 305 15,085 4.87 735	20 11,690 4.73 553	8-69	40	559 .05 31	40
21-30-0079	2343975	556020	11-65	2 305 16,040 4.96 795	27 11,760 4.74 558	10-69	40	515 .06 30	38
21-30-0079	2372932	546331	5-65	3 286 13,207 4.65 614	27 11,177 4.72 527	7-69	42	440 .02 22	30
21-30-0478	1734065	463095	8-55	10 304 12,647 4.65 588	42 9,654 4.62 446	11-68	36	501 .04 27	35
21-30-0478	2270791	533769	4-64	3 305 13,610 4.75 647	60 10,903 4.77 520	4-69	42	546 -.08 17	28
21-30-0478	2285983	558761	10-64	3 298 13,230 4.69 620	47 11,256 4.70 529	3-69	32	424 .00 20	28
21-30-0478	2351265	558761	9-65	2 295 13,685 4.71 644	52 11,535 4.63 534	1-69	29	421 .00 20	28
21-30-0478	2353232	564991	10-65	2 305 14,290 4.99 713	55 11,400 4.69 535	5-69	29	365 .07 24	29
21-30-0478	2353238	558761	10-65	3 279 14,673 4.95 727	45 11,173 4.64 518	4-70	8 32	629 .07 36	46
21-30-0478	2360731	558761	2-66	2 305 17,070 3.82 652	47 10,185 4.74 483	10-69	29	971 -.17 27	48
21-30-0478	2442788	557543	9-67	1 305 14,180 4.83 685	67 10,290 4.62 475	12-69	35	430 .02 22	29
21-30-0478	2447717	538021	11-67	1 277 15,520 5.03 781	73 10,520 4.57 481	2-70	33	547 .07 33	42
21-30-0484	2348322	528754	4-64	3 305 13,803 4.98 687	26 11,013 4.83 532	5-69	42	681 .12 44	54
21-30-0484	2378571	546331	9-65	2 305 12,165 4.69 570	21 9,960 4.87 485	4-70	40	420 .02 21	28
21-30-0561	2288357	539419	9-64	3 305 14,440 4.58 662	19 10,280 4.79 492	1-70	41	644 -.07 23	36
21-30-0977	2342492	528754	3-65	3 305 14,540 4.80 698	15 11,207 4.52 507	8-69	42	747 .13 48	59
21-30-0977	2381476	511244	9-66	2 305 15,700 4.41 692	14 11,845 4.66 552	1-70	40	592 -.10 17	29
21-30-0977	2381479	546331	7-66	2 305 14,210 4.70 668	12 11,765 4.56 537	4-70	40	463 .04 26	34
21-30-0977	2384740	511244	10-66	2 305 14,715 4.59 675	16 11,405 4.68 534	10-69	40	532 -.08 17	28
21-31-0064	2111434	532373	3-61	4 303 12,023 5.63 677	24 9,708 4.76 462	10-69	35	335 .22 37	39
21-31-0064	2428796	553667	1-68	1 190 13,780 4.75 654	13 9,820 4.77 468	2-70	8 35	532 .04 29	38
21-31-0064	2428798	546331	7-67	1 305 12,970 4.53 587	22 8,890 4.85 431	7-69	35	507 .00 24	33
21-31-0094	2174064	546100	8-62	3 305 13,543 4.90 664	17 10,987 4.58 503	11-68	32	368 .07 24	29
21-31-0094	2245938	549235	9-62	5 280 14,696 4.21 618	20 10,994 4.57 502	11-69	44	789 -.17 19	36
21-31-0286	2040391	463153	1-61	7 283 11,561 4.33 501	20 9,823 4.49 441	9-69	43	509 -.06 18	28
21-31-0286	2203973	528754	3-63	4 305 11,153 4.52 504	19 9,973 4.29 428	6-69	43	484 .11 34	41
21-31-0286	2287305	505970	4-64	4 305 12,905 3.59 463	19 9,925 4.40 437	12-69	43	808 -.24 12	31
21-31-0286	2287314	561763	8-64	3 305 12,226 4.09 500	24 9,470 4.39 416	6-69	38	511 -.04 20	30
21-31-0286	2292004	505970	3-65	3 305 13,587 3.61 490	19 10,637 4.53 482	1-70	42	799 -.25 11	30

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS
21-31-0286	2322277	555217	4-65	2 302	11,590	4.99	578	21 9,835	4.31	424	7-69	36	319	.10	25	\$ 29
21-31-0286	2332793	505970	3-65	3 298	11,767	4.07	479	21 9,517	4.37	416	5-69	42	704	-.16	16	32
21-31-0286	2339208	549235	6-65	3 305	15,817	3.47	549	21 10,940	4.33	474	1-70	42	882	-.28	12	33
21-31-0286	2339210	503512	7-65	3 305	13,013	4.60	599	19 10,963	4.28	469	3-70	42	323	.10	25	29
21-31-0286	2348957	528754	1-66	2 305	11,075	4.32	478	23 9,660	4.32	417	7-69	40	496	.09	32	39
21-31-0432	2275466	521150	4-64	4 304	14,458	4.83	698	12 11,570	4.53	524	4-70	43	369	.05	22	28
21-31-0432	2392341	528754	3-67	1 305	15,570	4.93	768	14 11,410	4.35	496	6-69	35	703	.16	49	59
21-31-0432	2393090	536475	2-67	1 305	18,440	4.48	827	18 12,900	4.57	590	1-70	35	555	.02	28	38
21-31-0432	2408741	528754	4-67	1 300	12,600	5.23	659	12 11,160	4.67	521	8-69	35	496	.16	39	45
21-31-0433	2368609	512974	10-65	2 305	13,405	4.80	644	15 9,405	4.67	439	9-69	40	470	-.03	19	28
21-31-0754	2140756	475595	11-61	7 300	12,074	4.52	546	42 9,961	4.91	489	12-69	44	571	-.02	24	35
21-33-0098	2222011	506243	9-63	4 305	12,070	4.78	577	23 9,830	4.61	453	8-69	43	447	.01	22	30
21-33-0098	2413871	526294	2-67	1 305	14,750	4.19	618	13 9,840	4.47	440	11-69	35	556	-.09	17	29
21-33-0223	2311131	503512	1-63	4 305	14,478	4.22	611	12 11,150	4.68	522	4-69	43	501	-.01	22	31
21-33-0223	2311146	528754	7-64	4 300	12,775	5.26	672	12 10,228	4.62	473	7-69	43	657	.19	50	59
21-33-0223	2311147	528754	8-64	4 305	14,455	5.25	759	13 10,323	4.67	482	8-69	43	856	.19	60	72
21-33-0223	2314790	528754	9-64	4 305	13,645	4.56	622	13 10,390	4.65	483	8-69	43	747	.08	43	55
21-33-0223	2374093	528754	11-64	3 305	12,433	5.14	639	14 10,763	4.55	490	6-69	42	548	.17	43	50
21-33-0223	2389381	528754	4-65	3 305	11,703	4.60	538	8 10,413	4.64	483	9-69	42	500	.09	32	40
21-33-0223	2389382	528754	3-65	2 305	16,005	4.51	722	12 10,525	4.62	486	8-69	40	920	.08	51	66
21-33-0223	2389384	528754	3-65	3 305	14,147	5.07	717	8 10,450	4.64	485	3-70	42	781	.16	53	64
21-33-0223	2423491	528754	1-67	1 305	11,690	5.05	590	18 10,490	4.36	457	6-69	35	472	.16	38	44
21-34-0105	2246817	511244	1-64	5 300	13,710	4.99	684	42 11,158	4.82	538	3-70	44	517	-.02	22	32
21-34-0105	2285074	528754	10-64	4 304	12,345	5.39	665	52 11,050	4.95	547	1-70	43	512	.17	41	47
21-34-0105	2431631	546331	8-67	1 305	15,360	4.60	706	59 10,970	4.85	532	11-69	35	546	.01	26	36
21-34-0475	2068678	536475	9-60	3 305	12,587	4.42	556	25 8,527	4.32	368	4-69	41	557	.03	29	39
21-34-0892	2301380	559067	11-64	3 304	13,010	5.30	690	5 10,863	4.66	506	8-69	32	389	.13	31	36
21-34-0892	2372172	528754	11-65	3 305	13,683	5.07	694	23 11,667	4.70	548	1-70	42	599	.16	44	52
21-34-0892	2442228	528754	8-67	1 290	12,740	4.95	631	10 10,730	4.69	503	9-69	35	535	.13	38	45
21-35-0043	2350129	505970	11-65	3 300	11,720	4.04	474	28 9,500	4.65	442	9-69	42	700	-.19	13	29
21-35-0043	2398271	505970	12-66	2 305	11,855	4.23	501	16 9,755	4.52	441	4-70	40	674	-.16	15	30
21-35-0277	2377250	505970	1-65	3 305	13,340	4.27	569	7 8,773	4.83	424	6-69	42	965	-.18	26	47
21-35-0882	2179117	462105	12-62	4 305	13,573	4.96	673	21 10,430	4.84	505	2-70	42	416	.07	26	32
21-35-0882	2351641	528754	9-65	3 290	12,620	4.64	586	24 10,487	4.88	512	9-69	42	599	.07	35	45
21-35-0882	2394434	528754	9-66	2 305	12,250	5.09	624	23 10,740	4.82	518	2-70	40	517	.14	38	45
21-37-0008	2373466	503512	4-66	2 286	12,905	4.69	605	11 10,170	4.50	458	11-69	40	356	.08	25	30
21-37-0320	2066968	448935	3-61	4 305	13,490	4.97	670	24 12,228	4.71	576	4-69	40	328	.09	24	28
21-37-0320	2334359	448935	8-65	2 305	13,520	5.14	695	30 11,805	4.75	561	4-69	36	345	.10	26	31
21-37-0320	2347042	555217	7-65	2 305	15,825	4.85	767	34 11,970	4.84	579	3-69	36	568	.04	30	40
21-37-0320	2438246	553667	10-67	1 305	15,370	4.91	755	43 11,490	4.91	564	11-69	35	538	.05	30	39
21-40-0132	1655831	474551	4-55	4 305	11,800	4.82	569	22 9,180	4.66	428	4-69	30	392	.04	22	28
21-40-0132	2276749	549235	6-64	4 288	12,360	4.34	536	17 9,360	4.75	445	12-69	44	665	-.16	14	29
21-40-0132	2276753	549235	7-64	4 273	11,560	4.13	478	15 8,043	4.96	399	10-69	44	713	-.19	13	29
21-40-0132	2276755	549235	11-64	4 303	12,708	4.35	553	19 9,563	4.64	444	3-70	44	686	-.14	17	32
21-40-0132	2279680	549235	6-64	4 299	11,453	4.68	536	18 8,798	4.74	417	2-70	44	616	-.10	18	31
21-40-0132	2394661	528754	8-66	1 305	13,550	4.43	600	24 9,270	4.63	429	5-69	35	696	.08	41	52
21-40-0981	2325285	528754	8-65	1 305	13,500	5.04	681	16 9,910	4.80	476	11-68	35	648	.14	44	53
21-40-0982	2008537	475548	9-59	7 304	14,636	4.60	673	17 11,889	4.84	575	8-69	44	517	.01	25	34
21-40-0982	2167683	543818	9-61	3 305	19,907	4.23	842	14 11,753	4.85	570	6-69	41	1,252	-.19	37	63
21-40-0982	2239897	505970	11-63	4 303	15,600	4.28	667	22 12,093	4.97	601	2-70	43	900	-.22	19	39
21-40-0982	2278099	528754	11-64	2 305	13,115	5.71	749	22 12,075	4.91	593	12-68	40	483	.21	44	49
21-40-0982	2284934	528754	10-64	3 305	15,040	4.84	728	15 12,447	4.82	600	3-69	42	675	.10	42	52
21-40-0982	2349348	505970	6-65	3 300	14,000	4.64	650	22 12,463	5.00	623	11-69	42	655	-.16	14	29
21-40-0982	2362919	528754	3-66	2 304	13,780	5.15	709	20 12,765	4.79	612	1-70	40	487	.15	38	44
21-40-0982	2382082	528754	7-66	2 305	14,085	4.80	676	24 12,015	4.94	593	10-69	40	587	.09	36	45
21-40-0982	2382085	528754	8-66	2 305	14,670	5.27	773	16 12,665	4.76	603	2-70	40	587	.17	45	53
21-40-0982	2435270	570735	7-67	1 305	18,280	4.29	785	24 12,980	4.85	629	1-70	30	791	-.06	30	45
21-40-0982	2435282	570735	12-66	1 305	14,350	4.77	684	24 11,860	5.01	594	9-69	30	550	-.01	24	34
21-42-0151	2282455	528754	11-64	4 305	14,628	4.92	720	6 11,468	4.94	567	12-69	43	749	.10	45	57
21-42-0151	2296512	528754	2-64	4 304	13,468	5.58	751	7 11,313	4.78	541	7-69	43	622	.23	52	59
21-42-0151	2316722	528754	6-65	3 305	13,047	5.10	665	6 11,160	4.87	543	10-69	42	578	.14	41	49
21-42-0151	2317708	528754	4-65	2 305	15,430	5.45	841	6 10,990	4.95	544	12-68	40	819	.19	58	69
21-42-0151	2319106	528754	8-65	3 305	12,410	5.37	666	8 11,190	4.84	542	10-69	42	501	.18	41	47
21-42-0151	2321944	528754	4-65	3 305	12,780	5.03	643	5 10,517	4.93	518	8-69	42	614	.12	41	50
21-42-0151	2327642	528754	10-65	2 300	14,100	5.07	715	6 10,900	4.56	497	3-69	40	691	.16	49	59
21-42-0151	2333879	505970	3-64	4 304	12,995	4.97	646	10 11,928	5.09	607	10-69	43	595	-.11	16	29
21-42-0151	2375448	528754	9-66	1 305	14,210	5.28	750	9 11,830	4.89	579	11-69	35	572	.15	42	50
21-42-0151	2400192	536475	10-66	2 305	14,695	4.89	718	11 11,575	5.03	582	12-69	39	442	.02	23	31
21-42-0335	2387119	536475	8-66	2 305	11,370	5.20	591	15 9,140	4.79	438	10-69	39	325	.09	24	28
21-42-0410	2015973	475548	2-60	7 298	15,887	4.61	732	23 12,437	4.70	584	11-68	44	616	.02	31	42
21-42-0410	2381024	539742	10-66	2 298	12,520	4.72	591	16 10,475	4.60	482	3-70	39	378	.07	25	31
21-47-0330	2311563	505970	3-65	3 303	13,527	4.33	586	55 10,133	4.82	488	4-69	42	844	-.17	21	39
21-47-0330	2325729	5														

TABLE 2. GUERNSEY US0A-OHIA HIGH RANKING COWS (CONTINUE0).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	OOL- LARS
21-52-0184	2228435	528754	9-63	4 305	14,260	4.65	663	8 11,033	4.94	545	1-69 43	752	.06	41	\$ 54
21-52-0184	2296218	528754	7-64	4 251	12,133	4.77	579	5 10,788	4.97	536	2-70 8 43	515	.07	31	39
21-52-0184	2386306	528754	9-66	2 264	12,160	4.88	593	10 10,905	4.89	533	9-69 8 40	493	.10	33	40
21-52-0184	2417578	546331	10-67	1 305	15,470	4.82	745	11 11,550	4.90	566	11-69 35	515	.03	27	36
21-52-0184	2445213	570735	10-67	1 305	14,070	4.86	684	11 11,660	4.90	571	11-69 30	542	.01	26	36
21-52-0353	2388583	528754	10-66	1 281	13,970	5.17	722	5 10,320	4.52	466	11-69 35	656	.16	47	56
21-52-0353	2401771	528754	10-66	1 305	13,120	5.88	772	5 10,280	4.52	465	10-69 35	595	.23	51	58
21-52-0376	2321477	528754	8-65	2 305	11,745	5.28	620	9 10,625	4.79	509	9-68 40	476	.16	38	44
21-53-0207	2177748	546559	11-62	4 305	13,772	4.31	593	20 11,447	4.56	522	11-68 40	556	-.10	16	28
21-53-0207	2235235	528754	8-63	3 297	11,750	4.47	525	16 10,663	4.47	477	2-70 8 42	479	.09	31	38
21-53-0207	2292993	528754	4-65	3 305	13,350	4.37	584	15 11,070	4.46	494	1-70 42	623	.07	36	46
21-55-0118	2348817	528754	9-65	3 305	14,603	4.74	692	17 12,227	4.54	555	1-70 42	647	.12	42	52
21-55-0122	2279458	528754	9-64	4 296	14,343	4.80	689	22 10,760	4.80	517	3-70 43	793	.10	47	60
21-55-0122	2315303	543818	4-65	3 305	14,150	4.71	666	42 10,137	4.91	498	11-69 41	748	-.10	24	39
21-55-0122	2350629	565588	12-65	2 304	13,530	4.80	650	41 10,230	4.88	499	10-69 25	425	.00	20	28
21-55-0122	2373184	528754	7-66	1 305	13,190	5.34	704	28 10,690	4.82	515	12-68 35	572	.16	43	51
21-55-0122	2391737	528754	8-66	2 305	12,620	5.32	672	27 10,825	4.76	515	1-70 40	547	.17	43	50
21-55-0275	1882179	425345	8-58	10 305	15,639	4.41	689	16 11,356	4.85	551	11-69 44	496	-.04	19	29
21-55-0275	2399109	536475	3-67	1 305	16,060	4.74	761	15 13,010	4.63	603	1-70 35	365	.05	22	28
21-55-0275	2402055	546331	3-67	1 305	14,740	4.14	610	9 11,330	4.62	523	6-69 35	475	-.03	19	28
21-55-0499	2293878	528754	2-65	3 273	11,013	5.09	561	10 9,960	4.81	479	1-70 42	467	.13	35	41
21-55-0499	2365316	511244	4-65	2 305	14,500	4.53	657	6 11,020	4.44	489	3-70 40	545	-.06	19	30
21-55-0499	2414451	505970	2-67	2 295	11,235	4.95	556	8 10,130	4.80	486	3-70 40	576	-.10	17	29
21-56-0724	2288027	505970	9-64	3 305	12,343	4.50	556	7 9,057	4.74	429	5-69 42	819	-.13	24	41
21-56-0724	2288029	505970	10-64	4 300	12,033	4.01	482	5 9,250	4.75	439	4-70 43	775	-.21	14	32
22-10-0005	2360912	562133	12-65	2 303	11,820	4.37	516	17 8,605	4.54	391	1-70 29	483	-.01	21	30
22-10-0055	2277804	505970	7-64	4 305	11,725	4.81	564	40 9,275	4.97	461	12-69 43	734	-.12	22	37
22-10-0055	2444107	546331	7-67	1 305	12,970	4.93	640	44 9,810	4.99	490	12-69 35	444	.03	24	31
22-10-0117	1956410	527889	4-59	6 305	11,630	5.23	608	64 9,413	4.90	461	9-69 36	433	.08	28	34
22-10-0117	1956439	527889	8-59	5 305	14,070	4.66	655	62 9,358	4.86	455	3-69 36	799	-.02	35	50
22-10-0117	2012830	527889	4-60	5 305	12,492	4.59	574	59 9,158	4.95	453	7-69 36	594	-.03	24	35
22-10-0117	2031671	527889	10-60	5 302	11,618	4.79	557	58 9,078	4.92	447	3-69 36	476	.00	22	31
22-10-0117	2084738	527889	7-61	4 305	12,237	4.78	585	61 8,840	4.88	431	1-69 35	582	.01	28	38
22-10-0117	2117145	527889	8-61	5 305	12,838	4.52	580	53 8,954	4.95	443	2-69 36	672	-.05	26	39
22-10-0117	2117148	527889	9-61	4 305	11,997	5.13	615	66 8,722	4.94	431	6-69 35	563	.06	32	41
22-10-0117	2117158	527889	10-61	4 305	13,355	5.12	684	60 8,778	4.84	425	10-68 35	747	.07	42	54
22-10-0117	2150523	538103	2-62	4 305	12,312	5.00	615	75 9,530	4.80	457	1-69 35	412	.06	25	31
22-10-0117	2168540	538103	8-62	6 294	12,338	4.75	586	74 9,485	4.84	459	1-70 36	438	.02	22	30
22-10-0117	2215676	527889	7-63	4 296	11,270	4.68	527	72 8,762	4.87	427	6-69 35	455	-.01	20	28
22-10-0117	2331612	555132	7-65	2 305	11,905	5.21	620	85 8,565	4.87	417	6-69 30	406	.08	27	33
22-10-0117	2331627	555132	10-65	2 305	12,555	5.01	629	84 9,010	4.87	439	11-69 30	436	.06	26	33
22-10-0117	2375019	563683	8-66	2 305	12,255	4.99	611	73 9,320	4.83	450	1-70 29	381	.04	22	28
22-10-0117	2396962	568278	3-67	1 305	13,160	4.80	632	96 8,400	4.88	410	6-69 23	481	.02	24	32
22-10-0130	1773459	515954	10-56	9 304	12,110	4.94	598	24 9,754	4.80	468	12-69 36	396	.03	21	28
22-10-0130	2335133	505970	8-65	2 305	14,390	4.64	668	28 11,275	4.73	533	8-69 40	793	-.12	24	40
22-10-0130	2335134	567265	9-65	2 305	14,330	4.91	704	36 11,475	4.64	533	1-69 29	409	.07	26	32
22-17-0232	2386187	505970	7-66	1 305	11,360	4.43	503	9 8,840	4.55	402	1-70 35	673	-.13	18	32
22-22-0037	2205220	515432	12-62	4 255	12,498	4.95	619	12 9,605	4.79	460	10-69 8 35	441	.04	24	31
22-25-0016	2128806	547978	6-61	6 300	12,622	4.94	624	53 10,250	4.85	497	12-69 34	404	.03	22	29
22-25-0016	2128809	496783	6-61	7 302	11,704	5.26	616	55 9,710	4.89	475	10-69 44	369	.10	27	32
22-25-0016	2256397	475595	11-63	5 294	11,770	5.21	613	40 10,724	4.77	512	2-70 44	441	.09	30	36
22-25-0016	2257996	506243	2-64	3 305	15,097	4.90	740	59 9,920	4.97	493	7-69 42	776	.00	36	50
22-25-0016	2305452	505970	11-64	3 305	12,520	4.15	519	54 9,933	5.00	497	5-69 42	748	-.21	13	30
22-25-0016	2305454	505970	11-64	4 295	13,535	4.61	624	62 10,133	4.88	494	11-69 43	863	-.13	26	44
22-25-0016	2374831	505970	10-65	3 300	12,927	4.75	614	44 10,537	4.87	513	2-70 42	732	-.12	22	37
22-25-0016	2412084	505970	9-66	2 286	11,235	5.09	572	79 9,740	5.05	492	7-69 40	612	-.10	18	31
22-25-0016	2413527	569703	10-66	2 305	13,260	5.02	666	83 9,680	5.03	487	9-69 25	454	.03	24	32
22-25-0016	2415232	505970	12-66	1 305	11,560	5.10	589	81 9,300	5.27	490	9-69 35	656	-.12	18	32
22-25-0016	2422682	546331	9-67	1 305	11,730	5.68	666	86 9,340	5.34	499	8-69 35	383	.07	25	31
22-25-0016	2422696	546331	12-67	1 305	12,870	4.70	605	69 10,360	4.72	489	12-69 35	399	.02	21	28
22-25-0079	2273971	505970	7-64	2 305	11,610	4.62	536	14 9,710	4.67	453	1-69 40	653	-.12	18	32
22-25-0079	2273972	505970	7-64	3 305	11,330	4.23	479	23 9,607	4.61	443	10-68 42	644	-.16	13	28
22-25-0126	2271885	505970	7-64	3 305	11,667	4.76	555	61 9,050	5.09	461	9-69 42	741	-.14	20	36
22-25-0126	2411585	528424	2-67	1 305	12,730	5.42	690	54 10,110	5.11	517	12-69 35	395	.04	22	29
22-25-0126	2411587	528424	5-67	1 305	11,510	5.45	627	64 8,740	5.25	459	8-69 35	396	.04	22	29
22-25-0126	2427106	553667	11-67	1 305	13,800	4.56	629	70 9,120	5.26	480	10-69 35	581	-.01	26	37
22-25-0126	2427114	553667	11-67	1 305	15,200	4.85	737	50 9,950	5.15	512	12-69 35	631	.03	32	43
22-25-0134	1838043	473982	12-57	10 300	14,465	4.82	697	8 10,244	4.81	493	3-69 43	824	-.01	37	52
22-25-0134	2342363	505970	6-65	3 305	12,647	4.13	522	8 10,353	4.92	509	1-70 42	719	-.21	12	29
22-25-0134	2431595	557543	3-67	1 305	14,240	4.75	677	7 10,050	4.75	477	8-69 35	451	.00	21	29
22-26-0074	2046250	532695	6-59	7 304	13,210	5.02	663	10 10,684	4.90	524	3-69 39	480	.06	28	36
22-26-0074	2242477	543747	9-63	3 305	13,437	5.11	687	14 10,993	4.51	496	3-70 32	311	.11	25	29
22-26-0074	2242646	549588	9-63	3 305	16,026	4.37	701	12 10,753	4.69	504	11-68 41	787	-.07	29	44
22-26-0074	2375705	549145	8-66	1 305	13,760	5.15	709	9 10,010	4.79	479	6-69 24	363	.05	22	28
22-26-															

TABLE 2. GUERNSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE OAYS	MILK (L8)	FAT (%)	PRODUCTION FAT (L8)	HEROMATE NO.	AVERAGES MILK (L8)	FAT (%)	LAST CALVO MO-YR	T C O	INDEX MILK (L8)	FAT (%)	FAT (L8)	DOL- LARS	
22-29-0125	2226696	546559	10-63	3	305	13,333	4.30	573	54	8,623	4.56	393	1-69	39	797	-.10	27	\$ 43
22-29-0125	2342860	533769	9-65	2	305	11,900	4.72	562	37	8,690	4.56	396	12-69	40	544	-.07	18	29
22-29-0125	2411346	566555	2-67	1	305	14,090	4.08	575	22	8,540	4.56	389	11-69	19	517	-.07	17	28
22-29-0125	2411365	562021	8-67	1	301	13,370	4.44	593	11	7,010	4.69	329	3-70	35	519	.01	25	34
22-29-0154	2346388	505970	9-65	3	248	14,757	4.53	669	13	10,767	4.92	530	2-70	42	921	-.16	26	45
22-29-0303	1871532	448080	9-56	3	305	15,463	5.22	807	125	10,833	5.05	547	3-69	34	851	.14	54	67
22-29-0303	1871538	448080	1-57	3	305	14,550	5.77	840	136	10,933	4.98	544	5-69	34	720	.25	59	68
22-29-0303	1905264	448080	6-56	3	305	14,090	4.73	666	136	10,830	4.98	539	6-69	34	672	.06	37	48
22-29-0303	1935462	448080	12-56	3	303	13,607	4.79	652	115	10,543	5.06	533	1-69	34	642	.06	36	47
22-29-0303	1936409	448080	5-57	2	305	13,955	5.93	828	108	11,095	4.95	549	12-68	32	583	.25	53	59
22-29-0303	1956679	448080	4-57	3	305	14,307	5.61	802	136	10,830	4.98	539	6-69	34	700	.22	55	64
22-29-0303	2007594	448080	12-57	3	305	14,030	6.12	858	106	10,580	4.99	528	7-69	34	693	.30	63	70
22-29-0303	2150646	475548	3-60	5	305	14,596	5.47	799	142	11,134	5.09	567	4-69	44	601	.14	42	50
22-29-0303	2209412	553647	3-61	6	305	13,386	5.55	743	135	10,768	5.07	546	9-69	36	436	.15	35	40
22-29-0303	2224748	559319	4-63	5	305	16,140	4.47	721	139	11,252	4.99	561	2-70	35	782	-.09	27	43
22-29-0303	2228150	532695	6-61	6	305	14,308	5.08	727	125	11,120	5.04	560	1-70	39	581	.05	32	42
22-29-0303	2384353	550942	7-66	2	305	14,795	4.70	696	114	10,970	4.87	534	1-70	40	597	-.03	25	36
22-29-0303	2390074	550942	8-66	2	305	13,575	4.60	624	107	10,835	4.85	526	3-70	40	485	-.04	18	28
23-01-0095	2238643	544991	11-63	3	297	13,757	5.06	696	10	11,227	4.78	537	5-69	42	370	.05	22	28
23-01-0095	2410245	448935	12-66	2	305	14,740	5.09	751	12	12,265	4.61	565	12-69	36	432	.12	32	38
23-01-0154	2323139	550919	10-63	3	305	15,277	4.40	672	13	11,083	4.48	497	10-69	41	589	-.04	23	34
23-01-0161	2382975	533769	1-67	2	305	15,750	4.03	635	10	11,080	4.49	498	12-69	40	716	-.17	16	32
23-02-0028	2379999	550919	11-66	2	305	16,085	4.45	715	16	10,660	4.75	506	2-70	39	657	-.05	25	38
23-02-0028	2423527	528424	10-67	1	305	14,720	4.67	687	19	11,140	4.72	528	11-69	35	475	.00	22	31
23-02-0028	2423530	553667	7-67	1	305	13,370	4.54	607	19	11,310	4.72	534	11-69	35	398	.03	21	28
23-02-0028	2424195	553667	8-67	1	297	14,080	4.43	624	19	11,310	4.72	534	11-69 H	35	452	.01	22	30
23-02-0047	2273372	459489	6-64	4	300	11,760	4.96	583	22	9,600	4.68	449	2-70	44	370	.07	24	30
23-02-0047	2273378	459489	8-64	4	293	13,080	4.71	616	19	9,623	4.66	448	3-70	44	530	.03	28	37
23-04-0013	2123647	475595	8-61	5	303	13,072	4.91	642	17	10,668	4.70	501	9-68	44	618	.06	35	45
23-04-0013	2366316	528424	6-66	2	305	12,810	4.62	592	23	10,395	4.66	484	4-70	40	435	.00	20	28
23-05-0002	2294082	560835	12-64	3	304	12,866	5.19	668	13	8,886	4.77	424	11-69	41	528	.06	31	39
23-05-0018	2266958	561500	7-64	4	305	11,575	4.71	545	14	8,910	4.78	426	1-70	35	488	.00	23	32
23-05-0124	2161016	515501	3-62	5	305	13,172	5.19	683	11	11,514	4.66	536	9-69	44	443	.04	25	32
23-05-0124	2387317	533769	3-66	2	305	16,065	4.54	730	9	13,250	4.39	582	2-70	40	550	-.07	18	29
23-05-0124	2394827	549235	4-66	1	305	17,820	4.04	720	12	12,970	4.31	559	1-69	36	722	-.16	17	33
23-05-0232	2187911	550014	8-62	6	305	14,266	4.99	712	10	12,793	4.69	600	1-70	41	454	.02	23	31
23-05-0232	2187912	550014	8-62	6	305	14,160	4.87	690	9	12,113	4.71	570	4-70	41	523	.00	24	33
23-05-0232	2187914	550014	8-62	6	305	16,120	4.37	705	10	12,485	4.74	592	3-70	41	748	-.11	23	39
23-05-0232	2187922	550014	1-63	4	305	16,330	4.00	654	9	12,537	4.78	599	4-69	40	747	-.18	16	33
23-05-0232	2224828	550014	8-63	5	304	14,758	4.86	717	9	12,688	4.69	595	1-70	41	535	.00	25	35
23-05-0232	2271675	550014	7-64	3	305	15,353	4.60	706	9	12,746	4.72	602	4-69	38	576	-.06	21	32
23-05-0232	2271679	550014	8-64	4	305	15,297	4.58	700	9	12,580	4.67	588	1-70	40	606	-.05	23	35
23-05-0232	2271680	550014	8-64	4	305	14,882	4.68	697	9	12,407	4.72	585	3-70	40	572	-.03	23	34
23-05-0232	2285638	550014	11-64	3	305	15,923	4.69	746	10	12,676	4.62	585	12-69	38	654	-.02	28	40
23-05-0232	2285640	550014	12-64	3	305	18,093	4.44	803	8	12,433	4.63	576	10-69	38	949	-.08	36	55
23-05-0232	2285642	550014	2-65	3	305	14,523	4.39	638	10	12,200	4.62	564	3-70	38	534	-.08	17	28
23-05-0232	2285643	550014	2-65	3	305	16,363	4.04	661	9	12,563	4.62	581	1-70	38	721	-.15	18	34
23-05-0232	2329255	550014	8-65	3	300	14,116	5.09	719	10	12,553	4.64	582	11-69	38	445	.04	25	32
23-05-0232	2342094	533769	10-65	3	305	16,276	4.33	705	19	13,163	4.69	617	2-70	42	618	-.14	14	28
23-06-0009	2239968	560601	1-64	4	305	11,168	4.88	545	13	7,650	4.51	345	2-70	30	505	.05	29	37
23-06-0031	1948506	521198	11-58	8	301	11,217	5.28	592	17	9,468	4.86	460	3-70	35	325	.11	26	30
23-06-0031	2479803	553667	11-67	1	305	11,840	4.70	556	29	9,670	4.78	462	11-69	35	394	.04	22	28
23-06-0061	2139068	531669	1-61	5	305	14,668	4.12	605	14	9,392	4.50	423	10-68	35	808	-.10	27	43
23-06-0061	2287169	560243	11-64	3	305	12,870	4.65	598	9	9,826	4.30	423	8-69	32	515	.06	30	38
23-06-0061	2287173	560243	12-64	3	300	12,863	4.46	574	9	10,173	4.34	442	9-69	32	472	.03	25	33
23-06-0077	2333892	505970	4-65	3	305	11,680	5.26	614	6	9,740	4.79	467	11-69	42	671	-.04	27	40
23-07-0015	2390765	528424	12-66	1	305	13,860	4.93	683	17	10,860	4.76	517	9-69	35	429	.02	22	29
23-07-0059	2331344	515501	2-64	4	305	13,635	4.80	654	16	10,065	5.15	518	7-69	43	655	-.07	23	36
23-07-0104	2381981	550014	7-66	2	305	12,705	4.84	615	22	9,795	4.85	475	1-70	36	540	-.03	22	32
23-07-0188	2031487	537301	5-60	3	305	13,287	5.51	732	17	11,080	4.77	528	12-69	41	318	.17	32	35
23-07-0188	2151998	528420	1-62	3	305	14,113	5.53	780	13	11,256	4.84	545	3-69	34	451	.15	36	42
23-07-0188	2155326	528420	4-62	5	304	13,792	4.89	674	10	11,524	4.76	548	4-69	37	412	.05	24	31
23-07-0188	2382153	528420	10-66	2	305	14,305	5.09	728	15	12,105	4.75	575	11-69	32	340	.07	23	28
23-07-0188	2400323	549235	11-66	2	305	18,005	4.15	748	23	11,880	4.73	562	12-69	40	961	-.20	23	44
23-08-0057	2287803	525969	4-64	4	305	14,118	4.84	683	45	10,700	4.95	530	12-69	42	458	.00	21	29
23-08-0057	2288944	523029	8-64	4	305	13,950	4.57	638	44	10,905	4.93	538	12-69	42	624	-.06	23	35
23-08-0057	2378810	523029	7-66	2	305	14,475	4.93	714	48	10,615	4.95	525	10-69	39	648	.00	30	42
23-08-0057	2378815	519383	1-66	2	305	13,135	5.34	701	39	10,140	4.95	502	9-69	39	386	.08	26	32
23-08-0057	2395736	523029	10-66	2	305	13,825	5.10	705	28	11,660	4.88	569	3-70	39	483			

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	PRODUCTION FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	LAST CALVD MO-YR	T C REPT (%)	.....C O W MILK (LB)	I N O FAT (%)	E X... FAT (LB)	..... DOL- LARS	
23-10-0125	2439610	537680	6-66	2 305	11,555	4.83	558	14	9,300	4.81	447	9-69	38	497	.01 24	\$ 33
23-14-0072	2334960	505970	2-64	4 305	13,325	4.36	581	14	9,603	4.70	451	2-70	43	896	-.16 25	44
23-14-0072	2428074	505970	10-65	1 305	12,610	4.62	582	19	10,430	4.72	492	9-69	35	659	-.13 17	31
23-14-0184	1991404	475548	2-60	5 305	12,180	5.27	642	11	10,466	4.85	508	7-69	44	364	.12 29	34
23-14-0184	2295746	537301	4-65	3 305	14,437	4.58	661	14	11,653	4.57	532	12-69	41	393	.05 23	29
23-15-0082	2180260	511244	11-62	4 301	15,090	3.86	582	35	9,545	4.90	468	12-69	43	855	-.23 16	35
23-15-0082	2268739	529773	3-64	4 305	12,825	4.83	620	31	9,783	4.95	484	9-69	43	455	.06 27	34
23-15-0086	2224075	529773	8-63	4 297	11,980	5.13	614	35	9,835	4.83	475	10-68	43	344	.11 27	31
23-15-0592	2318810	549235	11-64	4 304	14,265	4.49	641	5	11,370	4.74	539	1-70	44	677	-.14 17	32
23-15-0616	1487909	457532	9-52	8 305	13,211	4.87	644	23	10,435	4.91	512	12-68	35	440	.03 23	31
23-15-0616	2060247	529276	7-60	6 297	14,425	4.56	658	24	11,426	4.81	550	5-69	38	536	-.07 18	29
23-15-0616	2102845	455056	9-61	3 305	15,917	4.56	726	23	9,687	4.74	459	8-69	42	749	-.01 34	48
23-15-0616	2380528	529276	6-66	2 305	14,545	4.59	667	27	11,120	4.69	521	2-70	32	493	-.05 18	28
23-15-6001	2013012	539442	1-60	8 305	14,395	4.56	656	21	9,267	4.87	451	11-69	36	906	-.03 39	56
23-15-6001	2019664	539442	4-60	5 305	12,290	4.52	555	13	9,646	4.88	471	8-69	36	540	-.04 21	31
23-15-6001	2025615	539442	7-60	6 302	11,521	5.08	585	19	9,470	4.94	468	2-70	36	449	.05 26	33
23-15-6001	2062125	539442	1-61	5 305	13,028	4.72	615	18	9,802	4.92	482	6-69	36	630	.00 29	40
23-15-6001	2066516	539442	1-61	6 305	11,845	4.99	591	21	9,261	4.92	456	1-69	36	526	.05 29	38
23-15-6001	2326983	539442	2-65	3 303	13,446	4.33	582	19	9,716	5.00	486	1-70	33	650	-.08 22	35
23-15-6001	2362315	557990	12-65	2 305	11,965	5.37	642	21	9,555	5.03	481	4-69	29	335	.09 25	29
23-16-0004	2443703	553667	7-67	1 305	13,940	4.62	644	18	9,600	4.72	453	8-69	35	559	.03 29	39
23-16-0004	2443704	553667	8-67	1 305	12,260	4.71	577	18	9,600	4.72	453	8-69	35	431	.04 24	31
23-16-0008	2363636	529818	8-65	2 305	12,060	5.42	654	13	8,920	5.06	451	11-68	25	388	.08 26	32
23-17-6003	1812137	459489	12-56	9 300	12,312	4.97	612	11	9,931	4.79	476	10-68	44	413	.06 25	31
23-19-0014	2144994	543327	2-62	5 303	12,174	4.67	568	19	8,638	5.02	434	6-69	38	494	-.04 19	29
23-19-0057	1985318	459489	7-59	8 305	13,563	4.73	642	16	10,164	4.63	471	4-69	44	547	.04 29	38
23-19-0061	2138724	496783	11-61	3 305	18,840	4.70	885	30	10,387	4.67	485	12-68	42	1,096	.05 56	75
23-19-0061	2317271	561688	2-65	2 305	13,675	4.69	641	31	9,850	4.54	447	4-69	25	487	.02 25	33
23-19-0088	1986936	507009	7-59	5 305	14,232	4.92	700	20	12,074	4.65	562	7-69	40	417	.05 24	31
23-19-0088	2193560	459489	4-62	6 302	13,398	4.61	618	21	10,287	4.70	483	12-69	44	512	.01 25	34
23-19-0088	2228124	528754	12-63	4 305	14,198	5.43	771	23	10,918	4.70	513	3-70	43	757	.22 58	68
23-19-0088	2399874	533769	1-67	1 305	15,170	4.99	757	33	11,110	4.65	517	7-69	36	556	-.06 20	31
23-19-0101	2388521	505970	10-66	2 303	12,535	4.58	574	22	10,880	4.85	528	12-69	40	640	-.14 15	29
23-19-0101	2425586	537680	7-67	1 305	13,260	4.51	598	19	11,120	4.80	534	2-70	34	460	-.02 19	28
23-19-0101	2425587	505970	3-67	1 303	12,400	4.52	561	22	9,490	4.92	467	9-69	35	707	-.14 18	33
23-19-0123	2289313	459489	3-65	3 305	14,403	4.34	625	9	9,813	4.68	459	1-70	42	635	-.02 27	39
23-20-0139	2110477	549311	9-61	7 302	13,538	4.37	591	17	10,210	4.74	484	3-70	34	531	-.08 17	28
23-20-0139	2294825	515501	9-64	3 305	12,723	4.24	540	15	9,453	4.81	455	6-69	42	589	-.12 15	28
23-20-0139	2391140	528424	3-67	1 305	14,220	4.35	619	26	10,430	4.68	488	10-69	35	485	-.03 19	28
23-20-0315	2127618	547837	10-61	5 300	13,204	4.40	581	18	9,828	4.78	470	9-69	32	539	-.07 18	29
23-20-0315	2434849	553667	8-67	1 305	13,500	4.45	601	20	11,170	4.57	511	10-69	35	417	.03 22	29
23-21-0009	2424989	553667	9-67	1 305	13,940	4.48	625	33	10,780	4.65	501	11-69	35	478	.02 24	32
23-21-0391	2094430	532695	2-61	4 305	13,455	4.82	648	29	10,890	4.63	504	5-69	37	472	.05 27	35
23-24-0003	2323848	511244	12-64	3 305	12,757	4.95	631	7	9,187	4.93	453	8-69	42	581	-.04 23	34
23-26-0009	2100277	540075	2-61	4 305	15,585	4.38	682	27	12,285	4.49	552	9-68	33	624	-.04 25	37
23-26-0009	2310081	561624	12-64	3 305	16,713	4.28	715	16	13,317	4.59	611	4-69	29	537	-.08 17	28
23-26-0009	2413797	553667	8-67	1 305	19,400	4.21	817	16	11,550	4.73	546	5-69	35	842	-.03 36	52
23-26-0009	2414537	558698	1-67	1 305	17,880	4.65	831	23	13,440	4.58	616	1-69	19	458	.01 22	30
23-28-0119	2410886	533769	5-67	1 305	14,510	4.11	596	17	8,730	4.90	428	9-69	36	666	-.16 14	29
23-28-0186	2239971	475595	11-63	3 305	13,227	5.08	672	13	10,113	4.59	464	9-69	42	671	.10 41	51
23-28-0186	2257136	555454	10-63	4 305	14,817	4.51	668	12	10,202	4.71	481	8-69	35	804	-.06 31	47
23-28-0186	2410456	475595	2-67	1 305	13,130	4.31	566	14	9,660	4.78	462	8-69	35	595	-.02 26	37
23-28-0186	2418049	528424	5-67	1 305	13,140	4.64	610	12	9,960	4.57	455	6-69	35	436	.01 21	29
23-28-0332	2155839	496783	5-62	4 305	14,180	4.61	654	9	10,728	4.85	520	4-69	44	552	.00 26	36
23-32-0071	2247353	525396	10-63	3 305	15,237	4.27	650	12	11,253	4.38	493	3-69	41	453	-.02 19	28
23-32-0098	2452291	528424	8-66	1 305	14,760	3.87	571	12	9,630	4.90	472	12-68	35	581	-.11 16	28
23-32-0098	2458328	550919	10-66	1 305	15,520	4.30	667	9	9,700	4.82	468	12-68	35	536	-.07 18	29
23-36-0043	2092142	546396	9-61	6 299	11,721	4.97	582	38	10,176	4.83	492	6-69	40	389	.05 23	29
23-36-0043	2329676	546331	3-65	3 305	12,663	4.78	605	14	10,657	4.82	514	12-69	42	431	.03 23	30
23-36-0062	2230048	522908	2-63	3 305	16,370	4.39	719	16	9,647	4.83	466	1-69	42	766	-.09 26	41
23-36-0062	2422946	528424	7-67	1 305	12,700	5.17	656	22	8,850	4.75	420	12-69	35	478	.04 26	34
23-36-0107	2337159	561859	11-65	2 305	13,565	4.98	676	30	9,705	4.90	476	1-69	29	512	.04 28	37
23-36-0108	2262377	459489	6-64	3 305	12,327	4.58	565	19	8,837	4.66	412	11-69	42	498	.02 25	34
23-36-0174	2061857	545515	8-60	6 304	13,430	4.99	670	24	10,470	4.82	505	4-70	38	527	.03 28	37
23-36-0174	2313678	546331	2-65	3 305	14,253	4.76	679	17	11,523	4.78	551	4-70	42	525	.03 27	36
23-36-0174	2319238	546331	3-65	3 298	13,813	5.13	708	27	11,093	4.92	546	12-69	42	519	.07 31	39
23-36-0174	2363067	549235	3-66	2 305	14,180	4.71	668	28	11,230	4.97	558	11-69	40	632	-.13 16	30
23-36-0176	2027101	475548	10-60	6 305	13,857	4.92	682	20	11,013	4.81	530	2-69	44	518	.07 31	39
23-36-0176	2184373	549235	12-62	4 305	15,580	3.99	621	20	10,875	4.87	530	12-69	44	895	-.24 16	37
23-36-0289	2216220	475595	6-63	4 305	11,825	4.52	535	31	9,713	4.78	464	9-69	43	559	-.01 25	35
23-36-0289	2386168	529773	10-65	2 295	13,080	4.82	630	13	11,060	4.47	494	3-70	40	300	.10 24	28
23-36-0289	2408620	528424	8-66	2 304	13,880	4.78	664	13	10,790	4.55	491	3-70	40	508	.02 26	35
23-36-0289	2455232	556														

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C MO-YR D	.....C O W REPT (%) MILK (L8)	I N O E X..... FAT FAT (L8) (L8)	..... DOL- LARS
23-36-0449	2206185	500100	11-62	3 305 11,973 5.03 602	27 8,857 4.71 417	12-68	29	433 .06 26	\$ 33
23-36-0489	2019725	446983	2-60	7 305 11,464 4.57 524	31 7,947 4.74 377	4-69	44	464 -.02 20	29
23-36-0524	2104484	459489	7-61	1 305 16,840 4.60 774	20 10,680 4.73 505	2-70	36	583 .01 28	38
23-36-0524	2363560	562683	2-66	2 296 13,505 4.95 668	15 10,805 4.88 527	4-69	29	443 .06 27	34
23-36-0594	2292845	561178	2-65	3 305 11,166 4.90 547	20 8,923 4.72 421	9-69	36	388 .04 22	28
23-36-0629	2145546	539665	12-61	6 305 11,755 4.78 562	17 9,565 4.69 449	4-69	36	377 .05 22	28
23-36-0629	2341078	549235	1-66	3 301 13,360 4.31 576	22 9,703 4.74 460	12-69	42	727 -.16 17	33
23-36-0631	2220131	549235	7-63	5 304 11,642 4.41 513	18 8,406 4.82 405	9-69	44	696 -.15 17	32
23-36-0646	2230615	549235	11-63	4 301 13,873 4.31 598	14 11,303 4.61 521	2-70	44	636 -.15 14	28
23-36-0646	2281866	529773	9-64	3 305 14,257 4.69 669	18 11,837 4.55 539	8-69	42	384 .08 26	32
23-36-0646	2281871	549235	10-64	4 300 14,750 4.66 688	19 11,575 4.64 537	11-69	44	714 -.10 23	38
23-36-0739	1964572	391988	2-59	4 301 12,530 4.47 560	18 8,680 4.63 402	4-69	43	464 .05 27	34
23-36-0739	2275676	512193	11-62	4 298 11,702 4.26 498	29 9,537 4.60 439	10-68	40	673 -.13 18	32
23-36-0739	2290395	549235	8-64	3 305 12,157 5.30 644	20 8,787 4.68 411	2-69	42	684 -.02 30	43
23-36-0739	2446288	543853	6-67	1 305 14,520 4.39 638	23 9,150 4.57 418	10-69	35	573 -.03 24	35
23-36-6403	2265058	549235	4-64	4 299 12,023 4.80 577	23 9,720 4.74 461	8-69	44	584 -.09 18	30
23-37-0066	2380047	568704	1-66	2 305 15,410 3.85 593	29 9,465 4.43 419	8-69	25	750 -.12 22	38
23-37-0066	2400869	537680	11-66	1 304 11,300 4.55 514	32 9,670 4.19 405	5-69	34	409 .03 22	29
23-37-0066	2412095	537680	3-66	2 305 13,080 4.47 585	25 9,335 4.42 413	11-69	38	653 .00 30	42
23-37-0066	2488490	537680	1-68	1 305 12,930 4.05 524	15 10,340 4.07 421	1-70	34	488 -.01 22	31
23-37-0084	2218029	515501	5-63	4 305 15,768 3.86 609	13 10,383 4.59 477	9-69	43	885 -.18 22	41
23-37-0084	2232394	515501	9-63	4 297 14,775 4.36 644	18 10,925 4.44 485	3-69	43	701 -.07 25	39
23-37-0084	2347985	537680	2-66	3 295 13,040 4.37 570	17 11,360 4.45 505	9-69	41	475 -.01 21	30
23-37-0084	2396388	537680	8-66	1 305 14,350 4.68 671	15 12,370 4.44 549	12-68	34	457 .03 24	32
23-38-0001	2172012	548422	9-62	6 304 12,446 4.94 615	14 10,676 4.68 500	3-70	35	357 .05 22	28
23-38-0248	2350439	529773	9-65	1 305 15,300 5.04 771	7 11,560 4.75 549	10-68	35	381 .10 28	33
23-40-0022	2169026	529773	10-62	2 305 13,865 4.85 672	48 11,515 4.67 538	4-69	40	338 .08 24	29
23-40-0022	2173768	550942	9-62	5 300 15,572 4.38 682	39 10,798 4.71 509	3-70	44	818 -.08 30	46
23-40-0022	2275292	557066	10-64	3 305 14,430 4.55 657	31 10,483 4.65 487	2-70	33	721 -.01 32	45
23-40-0022	2276810	561178	12-64	3 305 12,696 4.57 580	35 10,216 4.71 481	9-69	36	436 .00 20	28
23-40-0022	2334003	557066	10-65	2 305 12,215 4.95 605	40 10,370 4.67 484	8-69	30	417 .04 23	30
23-40-0022	2448025	533769	5-66	2 305 14,030 4.51 633	38 10,140 4.64 471	9-69	40	628 -.11 18	31
23-40-0072	2241868	556200	12-63	4 261 15,060 4.63 698	12 11,470 4.65 533	2-70	35	593 -.01 27	38
23-40-0072	2396002	528754	12-66	1 305 12,840 4.66 598	15 11,710 4.71 552	6-69	35	476 .10 32	39
23-40-0115	2413079	549235	1-67	1 305 15,270 4.13 630	18 10,520 4.81 506	6-69	36	697 -.18 14	30
23-40-0143	2294498	523029	10-64	1 305 16,500 4.45 735	15 12,220 4.79 585	3-70	35	601 -.05 23	35
23-40-0143	2419118	546331	9-67	1 305 14,520 4.94 717	15 12,340 4.75 586	3-70	35	389 .05 23	29
23-41-0044	2308749	505970	1-65	3 305 11,360 5.31 603	12 8,210 5.08 417	12-69	42	794 -.06 31	46
23-41-0192	1929686	528754	8-58	4 289 11,208 5.17 580	26 8,963 4.62 414	2-69	43	604 .17 45	53
23-41-0192	2250640	529773	8-63	4 305 12,963 4.63 600	29 9,425 4.60 434	4-69	43	513 .06 30	38
23-41-0192	2279539	553336	11-64	2 305 12,480 4.74 592	33 8,895 4.70 418	2-69	25	444 .01 22	30
23-41-0192	2331681	561873	6-65	1 305 12,100 4.91 594	31 9,070 4.73 429	2-70	33	490 .03 26	34
23-43-0011	2182839	528754	1-63	5 256 12,252 5.12 627	30 10,452 4.89 511	3-70	44	573 .13 40	48
23-43-0011	2310470	533769	9-63	1 305 14,150 4.34 614	28 9,600 4.50 432	1-70	36	581 -.12 15	28
23-43-0011	2310479	556020	9-64	3 305 12,910 4.73 611	22 10,190 4.40 448	3-70	42	378 .05 23	29
23-43-0022	2290875	564770	11-64	3 305 13,010 4.83 628	11 9,543 5.00 477	1-70	29	493 -.01 22	31
23-43-0025	1855882	432882	9-57	5 305 15,990 5.32 850	10 9,802 4.83 473	9-68	44	871 .06 47	62
23-43-0227	1956856	532628	6-59	7 300 11,966 4.70 563	10 10,077 4.60 464	6-69	35	364 .05 22	28
23-46-0105	2391166	505970	8-66	1 305 11,570 4.83 559	23 9,100 4.87 443	10-68	35	671 -.12 19	33
23-46-0126	2259335	515501	11-63	4 305 11,925 4.65 555	21 8,833 4.85 428	9-69	43	580 -.07 20	32
23-46-0126	2325030	556781	1-65	4 304 12,525 5.19 650	21 9,952 4.80 478	12-69	40	322 .12 27	31
23-46-0404	2334652	529773	1-65	3 305 14,533 4.38 637	14 9,467 4.95 469	2-70	42	665 -.02 29	41
23-46-0512	2381808	544991	2-65	3 305 15,337 4.33 664	17 10,383 4.77 495	2-70	42	642 -.07 23	36
23-48-0057	2369513	557543	12-65	2 305 13,650 4.94 674	25 10,755 4.77 513	10-69	39	431 .02 22	29
23-48-0057	2403413	533769	6-66	1 305 15,110 4.82 728	8 11,090 4.80 532	3-69	36	553 -.09 17	28
23-48-0057	2404237	529773	8-65	3 304 13,453 5.19 698	15 11,103 4.79 532	6-69	42	368 .13 30	34
23-49-0057	2299641	505970	3-64	4 305 13,515 4.78 646	15 10,690 4.84 517	3-69	43	798 -.11 26	42
23-49-0057	2316258	505970	10-64	1 305 11,780 4.31 508	12 9,240 4.86 449	10-68	35	677 -.16 15	30
23-49-0057	2366639	537301	11-65	2 305 14,880 4.86 723	15 10,510 4.81 506	1-69	38	507 .07 31	39
23-50-0031	2358351	505970	3-66	2 305 14,740 4.31 636	12 10,990 4.62 508	11-69	40	855 -.16 23	41
23-50-0031	2387785	537301	12-66	2 305 15,530 4.42 686	8 11,620 4.60 535	1-70	38	470 .02 24	32
23-54-0032	2309077	555384	12-64	2 305 16,080 4.12 663	35 10,430 4.46 465	4-69	25	725 -.07 26	40
23-58-0001	2218897	511244	11-62	2 304 12,920 4.31 557	45 8,780 4.65 408	3-69	40	590 -.10 17	29
23-58-0335	1919149	473221	10-58	7 302 11,584 4.76 551	25 7,981 4.85 387	9-68	43	545 .03 28	37
23-61-0040	2102437	527802	12-61	4 305 12,620 4.52 570	64 8,807 4.66 410	9-69	40	584 -.06 21	33
23-61-0040	2192963	475595	9-62	4 304 11,780 4.56 537	80 8,660 4.56 395	2-70	43	672 .02 33	45
23-61-0040	2242727	561500	10-63	3 304 11,216 5.13 575	53 9,066 4.75 431	10-68	33	398 .07 25	31
23-61-0040	2352306	560835	11-65	2 305 12,475 4.94 616	56 8,490 4.39 373	3-69	39	474 .05 27	35
23-61-0040	2352307	549486	10-65	2 305 12,360 4.51 557	62 8,595 4.39 377	5-69	32	426 .04 24	31
23-61-0040	2366074	560835	3-66						

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C	.....C O W REPT (X)	MILK (LB)	I N O E X..... FAT (X)	FAT (LB)	..... OOL- LARS
23-66-0083	2349999	523029	8-65	3 305	12,067	4.27	515	23	8,937	4.65	416	9-69	41	587	-.06	21	33
23-66-0083	2430332	505970	7-67	1 297	11,970	3.99	478	19	9,360	4.59	430	8-69	35	683	-.17	14	29
23-66-0083	2430333	505970	7-67	1 305	15,730	4.25	669	20	9,590	4.59	440	10-69	35	952	-.15	28	48
23-67-0075	1737068	391988	6-56	6 305	15,902	5.11	812	29	11,632	4.87	567	8-69	44	580	.15	42	50
23-67-0075	2224161	549235	10-63	1 305	15,060	4.54	683	29	11,150	4.90	546	10-68	36	639	-.14	15	29
23-67-0075	2252317	475548	3-64	4 305	16,990	4.00	680	28	11,655	4.84	564	5-69	43	821	-.12	26	43
23-67-0075	2288001	550919	9-64	3 304	13,977	5.06	707	24	11,087	4.92	546	9-69	41	437	.02	22	30
23-67-0118	2034730	546865	7-60	7 301	12,647	5.04	638	31	10,450	5.01	524	3-69	35	374	.05	22	28
23-67-0118	2188252	546865	10-62	5 303	14,514	5.19	753	30	10,700	4.96	531	3-69	35	622	.09	38	48
23-67-0118	2227687	559460	5-63	4 305	12,625	5.55	701	35	11,345	4.97	564	3-69	34	323	.13	28	32
23-67-0118	2227692	559460	6-63	5 298	13,612	4.68	637	42	11,268	5.00	563	12-69	35	490	-.04	19	28
23-67-0118	2227693	559460	6-63	5 299	12,978	5.10	662	37	11,424	4.95	566	3-70	35	373	.06	23	29
23-67-0118	2252477	559460	9-63	4 305	13,540	4.64	628	38	11,147	4.95	552	11-69	34	481	-.03	19	28
23-67-0118	2268790	556781	8-64	2 305	14,375	5.01	720	44	11,270	5.01	565	2-69	36	333	.08	23	28
23-67-0118	2281779	559460	1-64	4 297	14,287	4.81	687	27	11,192	4.97	556	5-69	34	583	.00	27	38
23-67-0118	2370540	561627	7-66	2 305	15,930	4.73	754	31	11,105	4.75	527	8-69	25	629	.01	30	41
23-67-0162	2331968	560240	7-65	3 305	15,393	4.77	734	22	13,173	4.89	644	11-69	33	534	-.03	22	32
23-67-0162	2395302	549235	3-67	1 305	16,270	4.67	759	28	12,460	4.97	619	4-69	36	641	-.13	16	30
23-67-0162	2451436	546331	8-67	1 305	17,130	4.85	831	25	12,680	4.87	617	9-69	35	563	.04	30	40
23-67-0190	2017398	528099	5-60	7 305	15,820	4.57	723	27	11,954	4.70	562	3-70	36	647	-.01	29	41
23-67-0190	2129657	554161	9-62	5 302	14,616	4.76	696	32	11,256	4.58	516	4-70	35	523	.05	29	38
23-67-0190	2440079	553667	12-67	1 305	13,520	4.47	604	44	10,790	4.70	507	11-69	35	445	.01	22	30
23-67-0252	2017589	531687	6-60	7 305	12,673	4.76	603	32	10,217	4.69	479	12-68	34	446	.03	24	31
23-67-0252	2183105	543265	1-63	3 229	12,737	4.88	622	33	10,140	4.82	489	11-68	33	412	.03	22	29
23-67-0294	2189023	475595	12-62	3 305	13,400	4.45	596	30	9,037	4.58	414	10-69	42	804	.00	37	52
23-67-0294	2231049	544991	11-63	3 305	12,933	4.67	604	25	9,513	4.60	438	6-69	42	453	.01	22	30
23-67-0294	2247709	510634	11-63	4 304	11,688	4.77	558	28	8,895	4.69	417	6-69	43	425	.00	20	28
23-67-0294	2247711	510634	12-63	4 304	11,665	4.94	576	31	9,028	4.69	423	6-69	43	407	.02	21	28
23-67-0294	2379914	533769	9-66	2 305	11,570	4.54	525	22	7,935	4.69	372	1-70	40	579	-.10	17	29
23-67-0295	2238644	512193	12-63	4 303	12,657	4.42	560	15	10,800	4.80	518	9-69	40	649	-.14	16	30
23-67-0295	2404760	505970	11-66	1 305	14,540	4.86	706	20	10,190	4.79	488	11-68	35	821	-.11	27	44
31-02-9500	2398813	570379	10-66	1 305	15,940	4.03	642	39	9,860	4.93	486	12-69	19	580	-.11	16	28
31-03-0048	2304449	561540	9-64	3 301	12,383	4.65	576	22	9,656	4.55	439	4-69	32	440	.01	21	29
31-03-0048	2319076	525641	12-64	3 304	14,223	4.62	657	26	9,880	4.53	448	3-69	37	541	.02	27	36
31-03-9017	2325067	539742	4-65	2 305	12,145	4.74	576	7	9,555	4.59	439	4-69	39	425	.07	27	33
31-06-0049	2179329	550570	11-62	5 305	14,432	5.00	721	6	9,454	4.79	453	12-69	36	906	.04	46	62
31-06-0049	2325295	550570	10-63	4 305	12,805	4.15	532	5	9,755	4.79	467	5-69	35	607	-.12	16	29
31-06-0049	2235296	550570	10-63	4 302	12,737	4.25	541	5	9,505	4.76	452	11-69	35	630	-.10	19	32
31-06-0084	2388571	537680	12-66	1 305	11,820	4.40	520	19	9,380	4.72	443	1-69	34	469	-.02	20	29
31-06-0875	2372052	556020	6-66	2 305	13,535	5.09	689	14	9,615	4.73	455	11-69	40	456	.07	28	35
31-06-0875	2436303	553667	11-67	1 305	13,100	5.25	688	16	10,440	4.74	495	12-69	35	437	.09	29	35
31-10-0063	2353772	539742	9-65	2 305	14,965	4.26	637	20	11,730	4.82	565	12-68	39	514	-.02	22	32
31-10-0063	2377621	556020	1-66	2 305	15,925	4.78	761	6	12,185	4.60	560	4-69	40	464	.04	26	34
31-11-0142	2039297	459489	11-60	5 293	11,138	4.45	496	13	8,064	4.65	375	4-69	44	478	-.01	21	30
31-11-9150	2121998	550973	10-61	3 305	16,013	4.55	728	14	9,336	4.76	444	2-69	32	941	-.02	42	59
31-14-0600	1999569	411580	9-59	7 305	15,271	4.15	634	12	10,186	4.47	455	12-68	43	930	-.16	26	46
31-14-0600	2173624	550942	9-62	1 305	15,030	4.51	678	6	10,000	4.57	457	2-70	35	588	-.02	25	36
31-14-0600	2389344	537680	6-66	2 305	13,245	4.30	570	15	9,205	4.50	414	8-69	38	683	-.03	29	42
31-14-9020	2262055	557038	5-64	4 305	13,265	4.60	610	19	10,585	4.53	480	11-69	33	451	.02	23	31
31-14-9020	2270466	557038	7-64	3 305	15,000	4.51	676	17	10,476	4.47	468	8-69	32	677	.02	33	45
31-15-9412	2024532	475595	4-60	7 305	11,937	5.38	642	16	10,759	5.11	550	9-69	44	459	.08	29	36
31-15-9412	2101021	475595	7-61	5 305	14,352	4.97	713	17	10,614	5.13	545	12-69	44	791	.02	39	53
31-15-9412	2374316	537680	3-66	2 172	11,700	5.25	614	15	10,485	5.24	549	10-69	38	401	.02	21	28
31-15-9412	2374317	537680	4-66	1 305	12,350	5.13	633	15	9,890	5.32	526	9-68	34	475	.01	23	31
31-15-9832	2363486	569009	4-66	1 305	16,200	4.57	740	9	10,960	4.92	539	10-68	19	511	-.04	20	30
31-19-0066	2280736	548298	2-64	4 295	12,270	5.10	626	12	10,043	4.64	466	1-70	33	432	.08	28	34
31-19-0066	2426770	537680	7-67	1 305	12,380	4.79	593	14	9,980	4.88	487	9-69	34	471	.00	22	30
31-19-0066	2440638	537680	6-67	1 294	11,150	5.17	577	16	9,990	4.77	477	10-69	34	375	.05	22	38
31-19-0066	2443189	537680	1-68	1 305	16,850	4.61	776	14	10,950	4.51	494	2-70	34	748	.01	36	49
31-19-0074	2189416	550942	9-62	3 305	11,220	4.54	509	6	8,633	4.59	396	7-69	42	476	-.03	19	28
31-19-0075	2389092	537680	11-66	1 305	15,730	4.16	654	11	11,680	4.51	527	12-69	34	611	-.04	24	36
31-19-0076	2432436	537680	7-67	1 305	11,300	4.63	523	15	8,240	4.55	375	9-69	34	508	.01	25	34
31-19-0076	2432439	533769	8-67	1 305	14,130	4.08	577	10	8,400	4.63	389	11-69	36	660	-.15	15	30
31-19-0442	2226041	550942	7-63	4 296	11,912	4.50	536	18	8,752	4.56	399	11-69	43	565	-.03	23	34
31-19-0442	2286231	550942	10-64	3 305	11,450	4.70	538	17	8,663	4.54	393	10-69	42	500	.00	23	32
31-19-9816	2358270	537401	11-65	2 305	12,935	5.11	661	25	9,110	4.93	449	9-69	36	404	.10	29	35
31-22-9004	2228510	557944	9-63	4 305	12,430	4.11	511	13	9,647	4.49	433	11-69	33	530	-.07	17	28
31-22-9004	2228511	557944	9-63	3 305	13,083	4.21	551	13	9,553	4.51	431	11-69	32	609	-.06	22	34
31-22-9004	2247779	557944	12-63	3 305	12,486	4.60	574	19	9,766	4.27	417	7-69	32	501	.04	27	35
31-22-9004	2291545	557944	2-65	1 305	14,110	4.54	640	23	9,210	4.31	397	10-69	23	584	.01	28	38
31-22-9004	2291546	557944	2-65	1 305	13,070	4.46	583										

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	.....C REPT (%)	O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS
31-31-9001	2272814	512974	4-64	3 305	13,120	4.85	636	56	8,757	5.05	442	2-69	42		556	-.05	21	\$ 32
31-31-9001	2272823	533769	8-64	3 305	14,750	5.08	749	71	9,613	5.06	486	3-69	42		810	-.04	33	48
31-31-9001	2337246	539419	8-65	2 299	12,725	5.13	653	64	9,145	4.98	455	5-69	39		521	-.01	23	33
31-33-0009	2169950	550942	10-62	4 305	13,312	4.89	651	18	9,822	4.95	486	10-69	43		620	-.01	28	39
31-33-0009	2338293	539742	5-65	2 301	13,725	5.07	696	21	9,825	4.92	483	8-69	39		563	.10	36	44
31-33-0009	2437812	569645	9-67	1 290	14,320	4.87	698	13	10,130	4.80	486	12-69	19		403	.02	21	28
31-38-0020	2303369	559170	10-63	1 305	17,330	5.13	889	5	11,730	4.88	573	3-70	19		552	.06	32	41
31-38-0034	2143938	459489	4-62	4 305	12,900	4.71	608	24	9,125	4.61	421	11-68	44		563	.04	30	40
31-38-0036	2293034	562511	11-64	3 305	13,220	4.23	559	19	8,090	4.67	378	7-69	33		924	-.13	29	48
31-38-0036	2321264	562511	12-64	2 305	12,770	3.96	506	19	9,170	4.71	432	12-68	30		693	-.17	15	30
31-38-0036	2321267	562511	11-64	2 305	12,230	4.41	539	14	9,320	4.71	439	12-68	30		612	-.10	18	31
31-38-0036	2321273	562511	3-65	2 305	14,455	4.03	583	19	9,135	4.69	428	1-69	30		897	-.16	25	44
31-38-0036	2364594	562511	4-66	1 305	13,040	3.86	503	25	8,860	4.63	410	5-69	24		656	-.15	15	29
31-38-0114	2181525	506243	12-62	4 305	12,925	4.51	583	17	10,115	4.63	468	9-69	43		522	-.03	21	31
31-38-0114	2302329	524759	2-65	3 305	14,320	4.59	657	15	9,803	4.60	451	10-69	42		452	.06	27	34
31-38-0129	2241173	475595	1-64	3 305	14,110	4.37	617	17	10,563	4.71	497	9-69	42		726	-.03	31	45
31-38-0129	2301474	529773	11-64	2 305	14,165	5.02	711	16	11,215	4.69	526	12-68	40		396	.12	30	35
31-38-0280	2339230	546331	11-65	2 305	11,235	4.59	516	17	8,770	4.53	397	6-69	40		434	.03	23	30
31-38-0280	2351346	556020	1-66	2 302	14,310	4.40	630	19	10,375	4.57	474	11-69	40		466	-.02	20	29
31-38-0700	2205700	550942	11-62	4 303	11,830	4.87	576	26	9,912	4.72	468	4-69	43		425	.01	21	28
31-38-9046	2282989	496783	9-63	4 305	11,415	5.13	586	12	9,813	4.59	450	5-69	44		312	.12	26	30
31-38-9210	2223964	531527	7-63	4 305	14,073	4.87	685	6	11,658	4.75	554	11-69	39		301	.11	25	29
31-38-9210	2246140	553667	10-63	2 305	13,130	5.32	698	9	11,605	4.86	564	11-68	39		391	.10	28	33
31-38-9210	2287494	549235	7-64	4 300	14,235	4.64	660	8	11,585	4.85	562	11-69	44		650	-.13	17	31
31-38-9210	2363774	553667	11-65	2 305	13,705	4.92	674	7	11,855	4.93	584	3-69	39		428	.04	24	31
31-38-9210	2391799	475548	8-66	2 303	13,650	5.08	694	5	12,120	4.67	566	10-69	40		320	.10	25	29
31-39-0023	2375659	539742	9-66	1 305	15,100	4.12	622	25	9,900	4.82	477	12-68	35		568	-.01	25	35
31-39-9019	2296313	539742	2-65	2 305	14,695	4.04	593	14	11,240	4.48	504	9-68	39		532	-.02	23	33
31-39-9019	2431702	553667	8-67	1 305	13,840	4.48	620	19	11,840	4.44	526	10-69	35		397	.04	22	29
31-39-9120	1773366	448494	7-56	10 303	13,839	4.36	604	15	11,248	4.45	501	10-68	36		495	-.04	19	29
31-39-9120	2262974	549235	1-64	3 305	16,367	4.24	694	12	12,313	4.29	528	4-69	42		803	-.14	23	40
31-39-9120	2371990	556020	4-66	2 305	16,115	4.31	695	16	12,835	4.34	557	12-69	40		424	.00	20	28
31-39-9120	2406599	549235	10-66	2 305	15,745	4.28	674	17	12,905	4.33	559	12-69	40		638	-.13	16	30
31-39-9120	2433391	550942	3-67	1 305	14,570	4.14	603	11	10,940	4.19	458	6-69	35		490	-.04	19	28
31-39-9320	2364807	533769	12-65	2 305	14,350	4.10	589	13	10,085	4.41	445	6-69	40		665	-.14	16	31
31-40-0019	2148149	526052	10-61	4 304	12,993	4.29	558	6	9,735	4.58	446	5-69	35		532	-.07	18	29
31-42-0015	2320467	529773	1-65	3 305	12,880	4.95	638	22	10,303	4.92	507	10-69	42		385	.07	25	31
31-42-0032	2244235	550942	3-63	4 305	11,922	4.58	546	7	8,675	4.56	396	7-69	43		575	-.02	25	36
31-42-0055	2315806	536020	11-64	2 305	13,515	4.74	640	15	9,800	4.52	443	10-68	25		472	.03	25	33
31-42-0150	2301664	550942	12-64	3 305	13,036	4.30	561	7	10,063	4.69	472	5-69	42		538	-.08	17	28
31-42-9031	2036155	524508	8-59	8 304	13,843	4.96	687	14	12,789	4.67	597	11-68	36		336	.07	23	28
31-42-9031	2177883	549235	9-62	5 305	17,492	4.48	783	21	12,338	4.59	566	10-69	44		994	-.12	33	53
31-42-9031	2284705	525463	7-64	3 305	15,390	4.28	658	22	11,290	4.61	521	11-69	41		491	.02	25	33
31-42-9031	2284707	488786	8-64	4 305	14,180	4.80	681	22	11,852	4.64	550	12-69	42		402	.10	29	35
31-42-9031	2319905	562943	4-65	3 305	14,213	4.73	672	20	11,326	4.63	524	9-69	32		445	.02	23	31
31-42-9325	2112862	537987	10-61	6 305	14,003	4.79	671	6	10,441	4.75	496	6-69	38		650	.05	35	46
31-42-9777	2255033	475595	12-63	4 300	13,283	4.37	581	18	11,083	4.58	508	7-69	43		587	-.01	26	37
31-42-9777	2285789	475595	8-64	3 305	14,237	4.65	662	12	11,077	4.85	537	12-68	42		687	.00	32	44
31-42-9777	2374315	537680	3-66	2 305	13,210	5.28	697	20	10,525	5.01	527	9-69	38		555	.05	31	40
31-42-9777	2389274	539742	9-66	2 305	14,445	4.40	636	15	11,705	4.66	545	2-70	39		463	.02	24	32
31-42-9777	2404160	539742	11-66	2 305	13,005	5.04	655	17	11,645	4.69	546	12-69	39		319	.11	26	30
31-42-9777	2436961	566122	7-67	1 305	16,080	4.29	690	17	11,770	4.60	541	2-70	29		623	-.07	22	34
31-45-9072	2086598	503099	4-61	4 305	13,835	4.72	653	23	10,243	4.80	492	1-70	41		564	-.09	17	29
31-45-9072	2158484	546331	1-62	4 301	11,793	4.74	559	21	10,160	4.76	484	3-70	43		391	.03	21	28
31-45-9072	2238545	554510	11-63	4 305	13,405	5.17	693	13	10,945	4.72	517	4-70	32		407	.11	30	35
31-45-9072	2250914	533769	9-63	3 305	13,480	4.35	586	21	10,120	4.78	484	2-70	42		612	-.14	14	28
31-45-9072	2329033	546331	8-65	3 244	15,230	4.79	729	20	11,717	4.75	557	2-70	42		619	.04	33	43
31-46-0005	2328222	549235	4-64	4 305	11,303	4.43	501	23	8,823	4.49	396	10-69	44		595	-.11	16	29
31-46-0143	2269267	545327	3-64	1 305	17,380	4.78	831	6	12,400	4.91	609	3-70	34		455	.02	23	31
31-46-0143	2325918	545327	4-65	1 305	15,040	4.92	740	20	10,360	4.81	498	8-69	34		416	.04	23	30
31-47-0648	2187760	553075	12-62	5 305	11,830	4.97	588	8	8,584	4.90	421	10-69	34		575	.04	31	41
31-47-9039	1808877	517080	2-57	7 305	13,411	5.44	729	9	11,024	4.94	545	1-70	44		335	.10	26	30
31-47-9039	2182556	550942	11-62	5 303	13,286	5.01	665	10	10,650	4.99	531	6-69	44		537	.00	25	35
31-49-0019	2375926	566117	10-66	1 305	14,040	4.81	675	17	9,720	5.13	499	4-69	24		512	-.03	21	31
31-49-0019	2415194	537680	3-67	1 305	13,200	4.73	625	39	10,310	5.18	534	10-69	34		511	-.03	21	31
31-49-0056	2357535	570072	10-65	2 305	13,455	5.48	738	18	10,595	5.07	537	11-69	29		347	.11	27	31
31-49-0078	2488025	537680	12-67	1 305	13,380	4.90	655	7	10,130	5.00	507	3-70	34		537	.01	26	36
31-49-9018	2311355	558495	6-64	3 305	12,750	5.00	638	10	10,276	4.90	504	2-70	32		450	.03	24	32
31-49-9018	2311358	558495	7-64	3 305	12,913	4.65	601	13	10,200	4.86	496	11						

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LBS) (%) (LBS)	..HEROMATE NO. MILK (LBS)	AVERAGES... FAT FAT (%) (LBS)	LAST CALVD MO-YR	T C DC O W MILK (LBS)	I N D E X..... FAT (%) FAT (LBS) OOL- LARS
31-54-0260	2287521	557505	8-64	3 305 12,596 5.13 646	5 10,283 4.83 497	3-69	32	376	.08 25 \$ 31	
31-54-0260	2346100	557505	9-65	3 293 11,833 5.21 616	5 9,816 4.91 482	9-69	32	330	.08 23 28	
31-54-9007	2407812	533769	1-67	1 305 13,300 4.60 612	21 8,800 4.55 400	6-69	36	571	-.09 17 29	
31-54-9012	2317594	561468	5-65	3 305 16,070 4.00 642	13 10,350 4.89 506	7-69	40	946	-.27 15 37	
31-54-9030	2070160	534079	8-60	5 305 11,958 4.63 554	10 9,454 4.69 443	12-68	35	486	-.01 22 31	
31-54-9030	2363531	555024	12-65	2 305 13,800 4.47 617	11 8,905 4.85 432	9-69	35	590	-.02 25 36	
31-54-9038	2189623	421539	3-60	3 305 14,073 5.41 762	18 10,390 5.00 519	2-69	42	463	.04 26 34	
31-54-9038	2226423	531573	3-63	5 305 12,266 5.48 672	11 10,138 4.89 496	12-69	36	337	.16 32 35	
31-54-9270	1977264	475548	7-59	4 305 13,418 4.53 608	15 10,233 4.70 481	8-69	43	535	.02 27 36	
31-54-9270	2108889	475595	11-61	6 305 12,278 5.12 629	14 10,325 4.66 481	4-69	44	555	.10 36 44	
31-54-9270	2228513	557944	10-63	4 305 12,937 5.05 653	18 9,990 4.64 464	9-69	33	559	.08 34 43	
31-54-9270	2308522	528754	1-65	2 305 13,070 5.03 658	15 10,665 4.78 510	11-68	40	608	.13 42 51	
31-54-9270	2383253	475548	11-65	2 305 13,780 4.78 658	19 9,665 4.79 463	7-69	40	559	.05 31 40	
31-54-9270	2419597	528754	6-67	1 305 13,330 4.84 645	21 10,210 4.70 480	12-69	35	615	.12 41 50	
31-57-0010	2225666	550942	8-63	4 297 13,552 4.19 568	20 10,165 4.34 441	9-68	43	611	-.05 23 35	
31-57-0010	2322673	550942	1-65	3 296 13,006 4.54 591	21 9,920 4.43 439	9-69	42	550	-.01 24 34	
31-57-0010	2322674	550942	1-65	3 296 12,506 4.54 568	20 10,103 4.37 441	1-69	42	472	.00 22 31	
31-57-0010	2345970	550942	7-65	3 305 12,773 4.44 567	21 9,900 4.41 437	10-69	42	525	-.02 22 32	
31-57-0010	2406489	537680	12-66	1 305 14,670 4.22 619	12 10,530 4.55 479	4-69	34	609	-.03 25 37	
31-57-0010	2412719	537680	12-66	1 286 12,440 4.42 550	12 10,530 4.55 479	4-69	34	437	.00 20 28	
31-57-0043	1784391	479912	10-56	6 304 11,738 4.51 529	10 8,778 4.50 395	9-68	39	552	-.02 24 34	
31-57-0045	2089448	534079	1-61	7 296 12,345 4.76 588	11 9,571 4.81 460	11-69	35	529	-.01 24 34	
31-57-0045	2401213	564791	7-66	2 305 13,745 4.49 617	8 10,385 4.68 486	5-69	28	509	-.06 18 28	
31-67-0034	2403207	550942	10-66	2 305 13,175 4.58 604	7 10,365 4.61 478	3-70	40	487	-.02 21 30	
31-67-0855	2368552	549235	11-65	2 305 14,545 4.72 686	17 10,025 4.78 479	3-69	40	779	-.11 25 41	
31-67-0855	2390885	537680	11-66	2 302 12,490 5.10 637	17 10,755 4.80 516	11-69	38	458	.05 26 33	
31-67-0855	2402192	570096	11-66	2 305 14,845 4.43 658	17 10,590 4.66 494	10-69	25	551	-.04 22 33	
31-67-0855	2438995	537680	11-67	1 305 13,140 4.64 610	15 11,570 4.55 526	10-69	34	419	.02 21 28	
31-67-0855	2438996	537680	11-67	1 305 13,800 4.64 641	19 11,290 4.69 529	11-69	34	489	.00 23 32	
31-67-9016	2152453	549235	2-62	4 302 13,273 5.00 663	18 8,545 4.89 418	6-69	44	869	-.07 33 50	
31-67-9016	2360163	549235	2-66	2 303 12,695 4.29 544	18 9,230 4.73 437	11-69	40	664	-.16 14 29	
31-67-9016	2406578	533667	4-67	1 305 12,250 4.44 544	21 9,470 4.77 452	11-69	35	439	.01 21 29	
31-70-9013	2161369	550942	7-62	5 304 12,238 5.19 635	10 10,456 5.00 523	7-69	44	423	.02 22 29	
31-70-9015	2440036	568898	1-67	1 305 13,430 5.34 717	20 10,170 5.09 518	11-69	22	396	.06 24 30	
31-70-9015	2440037	568898	4-67	1 305 13,230 5.10 675	15 9,850 5.03 495	1-70	22	405	.03 22 29	
31-70-9015	2440039	568898	4-67	1 305 14,500 4.45 645	12 10,130 4.96 502	8-69	22	498	-.05 18 28	
31-70-9015	2440048	568898	12-67	1 305 13,800 5.17 714	6 10,300 4.93 508	3-70	22	420	.04 24 31	
31-70-9028	1999111	475548	12-59	7 305 12,776 4.49 574	47 10,083 4.67 471	1-70	44	487	.01 24 33	
31-70-9028	2179133	475595	9-62	4 305 11,218 4.78 536	52 10,193 4.62 471	11-69	43	430	.05 25 32	
31-70-9028	2359839	566122	1-66	2 305 12,765 4.67 596	29 10,145 4.76 483	10-69	30	522	-.03 21 31	
31-70-9028	2411823	537680	2-66	2 304 12,715 4.66 592	51 10,100 4.74 479	6-69	38	543	.00 25 35	
31-70-9028	2441038	566122	7-66	2 305 15,095 4.86 733	32 11,235 4.72 530	1-70	30	683	.00 32 44	
31-70-9028	2449693	566122	9-66	1 305 15,750 4.53 713	51 11,280 4.88 551	4-69	24	633	-.06 23 36	
31-70-9028	2450884	537680	9-66	1 305 13,500 5.25 709	56 11,290 4.81 543	5-69	34	466	.05 27 35	
31-70-9028	2451996	539742	10-66	1 305 12,980 5.41 702	57 11,280 4.80 542	5-69	35	311	.13 27 30	
31-70-9028	2480358	566122	6-67	1 305 14,210 4.26 606	29 11,010 4.49 494	12-69	24	517	-.06 18 28	
31-72-0014	2291552	549235	8-64	4 304 14,170 3.92 556	12 9,280 4.60 427	11-69	44	898	-.22 19 39	
31-72-0015	2194578	550942	10-62	5 305 13,586 4.72 641	14 10,164 4.86 494	3-69	44	633	-.02 27 39	
31-72-0015	2340011	537680	12-65	2 305 14,940 4.50 672	13 10,140 4.94 501	3-70	38	772	-.05 31 46	
31-72-0015	2416047	553667	3-67	1 305 15,100 4.24 640	29 10,140 4.86 493	11-69	35	611	-.02 26 37	
31-72-0100	2353774	539742	8-65	2 305 13,880 4.37 606	9 9,920 4.91 487	3-69	39	571	.00 26 36	
31-72-0100	2377622	539742	1-66	2 305 13,175 4.75 626	17 10,280 4.92 506	1-69	39	464	.04 26 34	
31-72-0100	2392137	550942	4-65	2 305 14,200 4.75 674	19 10,445 4.85 507	11-69	40	585	-.02 25 36	
31-72-0100	2427630	550942	5-65	1 305 13,270 5.27 699	21 10,750 4.85 521	11-68	35	404	.03 22 29	
31-72-9016	2346910	565359	4-65	3 305 12,766 4.61 589	9 9,670 4.96 480	2-70	32	519	-.07 17 28	
31-74-0042	2229416	557949	10-63	3 305 15,846 4.47 709	9 11,300 4.58 517	12-69	35	684	-.01 31 43	
31-74-0042	2277157	557949	4-64	4 298 13,632 4.48 611	9 10,637 4.63 492	12-69	37	501	-.01 22 31	
31-74-0042	2277159	557949	6-64	3 305 13,890 4.49 624	10 10,816 4.68 506	8-69	35	486	-.01 22 31	
31-74-0064	2309348	549235	10-64	3 305 16,530 3.71 614	6 9,990 4.62 462	3-69	42	1,062	-.26 21 45	
31-74-0315	2355467	540888	10-65	2 305 12,910 4.64 599	11 10,150 4.72 479	4-69	38	428	.00 20 28	
31-74-0315	2355502	539742	7-65	2 297 12,265 5.06 621	14 10,085 4.76 480	10-68	39	388	.10 28 33	
31-74-0315	2400467	540888	10-66	1 305 14,460 4.77 690	14 10,470 4.81 504	11-68	34	457	.02 23 31	
31-75-0350	2225112	550942	8-63	3 303 13,576 3.90 530	7 9,730 4.73 460	7-69	42	636	-.14 15 29	
31-75-0350	2300162	550942	11-64	3 305 13,060 4.62 603	6 10,680 4.74 506	10-69	42	476	-.03 19 28	
31-76-0117	2395598	540888	11-66	1 305 15,880 4.89 776	10 10,070 4.95 498	2-70	34	595	.02 30 40	
31-80-0023	2249790	550942	12-63	4 305 12,827 4.50 577	20 10,057 4.64 467	6-69	43	533	-.04 21 31	
31-80-0023	2312460	564247	9-64	3 305 12,567 4.81 604	17 9,640 4.80 463	12-68	29	417	.02 21 28	
31-80-9025	2229213	517080	8-63	5 296 13,902 5.26 731	20 11,162 4.47 499	1-70	44	383	.13 31 36	
31-81-9007	2002139									

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK I N D E X..... (LBS) (%) (LBS) OOL- LARS
31-88-0012	2425306	539742	9-67	1 305 14,180 4.96 703	8 10,950 5.04 552	11-69 35	425 .06 26 \$ 33
32-02-9711	2253460	505384	8-63	4 303 12,960 4.58 594	20 10,008 4.63 463	9-69 43	569 -.09 17 29
32-02-9711	2416965	549235	11-66	1 305 15,630 4.09 640	17 9,430 4.60 434	10-69 36	797 -.17 19 36
32-02-9711	2458029	553667	11-67	1 305 12,760 5.00 638	11 10,180 4.72 481	4-70 35	429 .07 27 34
32-06-0763	2115307	545319	9-61	6 302 15,008 4.78 718	22 10,353 4.76 493	6-69 37	793 .03 40 54
32-06-9762	2155543	552031	7-62	4 299 13,430 4.10 551	22 9,718 4.51 438	2-69 33	563 -.09 17 29
32-09-0321	2247730	533769	10-63	4 305 12,297 4.19 515	10 8,860 4.46 395	6-69 44	630 -.13 16 30
32-09-0321	2408742	528754	5-67	1 305 11,650 4.96 578	8 9,500 4.34 412	2-70 35	537 .15 40 47
32-17-0320	2135834	463153	11-61	6 305 13,417 4.96 665	41 10,072 5.00 504	1-69 43	726 -.02 32 45
32-17-0320	2316966	562270	10-64	3 305 14,306 5.02 718	29 9,823 4.94 485	3-69 32	643 .06 36 47
32-17-0323	2206311	506243	6-63	4 305 12,240 4.96 607	33 10,100 4.75 480	11-69 43	438 .03 23 30
32-17-0323	2410864	501586	2-67	2 287 13,830 4.44 614	15 11,350 4.46 506	3-70 39	545 -.02 23 33
32-17-0323	2433159	511244	7-67	1 305 16,390 4.39 720	33 10,750 4.75 511	10-69 35	622 -.11 18 31
32-17-9533	1933928	525079	1-59	9 303 14,993 4.96 744	22 11,451 4.94 566	8-69 35	618 .02 31 42
32-17-9533	2314864	562270	1-65	4 304 16,010 4.39 703	21 12,522 4.62 579	2-70 33	578 -.03 24 35
32-17-9533	2336658	558566	9-65	2 305 16,270 4.43 720	17 11,700 4.70 550	6-69 29	749 -.06 29 44
32-17-9533	2346804	565285	3-66	2 305 16,240 4.54 738	20 12,285 4.57 561	12-69 30	603 -.02 26 37
32-17-9533	2395181	565285	2-67	2 305 16,220 4.37 709	21 12,385 4.55 563	2-70 30	590 -.04 23 34
32-18-9710	2335760	563720	5-65	2 305 14,800 4.53 671	12 10,195 4.61 470	12-68 25	590 -.01 26 37
32-20-0334	2060005	528424	4-60	5 301 13,340 4.87 649	5 10,296 4.77 491	1-70 44	575 .02 29 39
32-20-0334	2251648	546396	10-63	3 305 13,143 4.49 590	6 10,883 4.76 518	4-69 38	471 -.02 20 29
32-20-0334	2350855	567825	7-65	2 304 14,165 4.26 604	7 10,205 4.50 459	6-69 25	508 -.05 19 29
32-20-0915	2136530	534225	8-61	7 303 12,301 5.09 626	10 9,771 4.82 471	3-70 36	368 .07 24 29
32-20-0915	2375787	565239	12-65	2 305 14,445 4.89 706	11 9,585 4.77 457	4-69 25	614 .03 32 42
32-20-0915	2411788	565239	9-66	2 305 13,490 4.51 609	22 9,710 4.69 455	1-70 25	479 -.02 20 29
32-20-0915	2411789	565239	10-66	2 298 15,400 4.45 686	21 9,575 4.77 457	11-69 25	736 -.05 29 43
32-20-0915	2428473	549588	3-67	2 305 14,405 5.01 722	25 10,105 4.68 473	12-69 39	613 .02 31 42
32-20-0919	2070146	475595	8-60	6 293 11,982 4.86 582	11 10,210 5.00 510	5-69 44	530 .01 26 35
32-20-9215	2114951	475595	7-61	5 305 13,022 4.50 586	11 10,778 4.75 512	7-69 44	599 -.02 26 37
32-20-9215	2176532	528424	10-62	5 305 13,996 4.33 606	12 11,016 4.75 523	1-70 44	576 -.07 20 32
32-20-9215	2292963	549588	11-64	3 305 12,200 4.70 573	12 9,256 4.71 436	10-69 41	497 -.02 21 30
32-20-9215	2292964	528424	10-64	4 299 12,543 4.86 609	16 10,810 4.75 513	10-69 43	402 .02 21 28
32-20-9215	2344398	549588	7-65	3 305 11,596 4.88 566	12 9,033 4.68 423	10-69 41	450 .01 22 30
32-20-9215	2344399	549588	10-65	2 305 12,140 4.69 569	16 9,140 4.74 433	11-69 39	469 -.03 19 28
32-20-9215	2449589	553667	1-68	1 305 13,080 4.70 615	6 10,700 4.80 514	4-70 35	418 .04 23 30
32-20-9218	2412418	539742	11-66	2 305 13,305 5.30 705	23 10,835 4.93 534	12-69 39	426 .12 32 38
32-20-9218	2423197	553667	6-67	1 305 12,910 4.80 620	16 9,670 5.04 487	12-69 35	475 .03 25 33
32-20-9240	2188900	552292	12-62	4 305 13,417 4.63 621	15 10,857 4.77 518	3-69 35	498 -.02 21 30
32-20-9240	2188901	552292	12-62	5 305 12,426 4.98 619	13 10,664 4.71 502	3-70 36	390 .05 23 29
32-20-9240	2245936	552292	2-64	4 305 13,280 4.60 611	11 10,802 4.76 514	11-69 35	486 -.03 20 29
32-20-9240	2287089	552292	8-64	3 305 13,453 4.69 631	13 10,903 4.72 515	12-69 33	473 -.01 21 30
32-20-9240	2287097	552292	9-64	2 305 14,640 4.66 682	14 10,985 4.77 524	3-69 30	572 -.02 25 36
32-20-9240	2287099	552292	11-64	2 305 14,770 4.36 644	13 11,490 4.66 536	8-69 30	533 -.06 19 30
32-20-9284	1943174	535901	2-59	8 304 14,536 4.93 717	15 10,437 5.01 523	1-70 36	734 -.03 31 45
32-20-9284	2283768	533769	12-64	3 305 14,100 4.55 641	19 11,076 4.80 532	11-69 42	584 -.12 15 28
32-20-9284	2351497	535901	9-65	2 305 14,670 4.55 668	10 11,000 5.05 556	2-69 30	571 -.10 16 28
32-20-9291	2111166	537977	4-61	6 305 12,876 4.95 637	16 11,071 4.87 539	5-69 37	363 .05 22 28
32-20-9321	2045556	475595	5-60	7 301 12,510 5.32 666	12 10,869 5.04 548	5-69 44	521 .09 33 41
32-20-9321	2130628	475595	11-60	4 305 15,168 5.80 880	15 11,283 5.02 566	7-69 43	799 .19 57 68
32-20-9321	2134439	475595	11-61	6 302 12,832 4.89 628	14 11,655 5.01 584	3-69 44	471 .01 23 31
32-20-9321	2156547	475595	4-62	4 298 13,743 5.26 723	12 11,640 4.88 568	12-69 43	582 .10 37 46
32-20-9321	2250730	557659	12-63	4 305 14,738 4.70 693	16 11,793 4.98 587	4-70 30	481 -.03 19 28
32-20-9321	2288683	549588	2-65	3 305 15,230 4.65 708	12 12,150 4.99 606	1-70 41	547 -.06 19 30
32-20-9321	2345020	549588	6-65	3 295 13,830 4.90 678	12 11,133 5.02 559	5-69 41	490 -.02 21 30
32-20-9321	2345023	549588	12-65	2 305 13,185 5.43 716	11 10,765 4.91 529	11-69 39	425 .06 26 33
32-20-9534	2191479	551558	8-62	5 293 14,406 5.05 728	17 11,500 5.08 584	3-69 36	596 .00 28 39
32-20-9534	2191486	551558	10-62	4 305 15,160 4.53 686	14 11,505 5.11 588	9-68 35	688 -.11 21 35
32-20-9534	2235201	551558	6-63	4 277 14,832 4.89 726	17 11,420 5.03 574	12-68 8	652 -.02 28 40
32-20-9534	2335089	562996	12-64	4 305 15,712 4.94 776	22 12,255 5.06 620	1-70 35	681 .02 34 46
32-20-9534	2345660	475595	2-63	4 305 14,760 4.89 722	20 12,720 4.92 626	11-69 43	588 .04 31 41
32-20-9534	2356151	539742	11-65	1 305 18,120 4.93 893	16 12,970 5.13 666	1-70 35	588 .06 33 43
32-20-9534	2382379	562996	2-65	3 305 13,746 5.07 697	14 11,000 5.19 571	9-69 33	536 .02 27 36
32-20-9559	2173073	551558	3-62	6 290 13,393 5.07 679	18 11,343 5.07 575	10-69 36	466 .00 22 30
32-20-9559	2191481	551558	9-62	5 301 13,568 4.86 660	15 11,252 5.01 564	5-69 36	504 -.03 20 30
32-20-9559	2305064	532971	9-64	3 291 11,870 5.20 617	22 9,710 4.78 464	11-69 33	329 .10 25 29
32-20-9559	2343383	562996	3-65	3 274 14,136 4.79 677	19 11,293 5.03 568	2-70 33	553 -.01 25 35
32-20-9559	2392532	562996	8-64	4 286 14,325 5.14 736	23 11,612 5.01 582	2-70 35	565 .07 33 42
32-20-9559	2421122	553667	6-67	1 305 13,290 4.76 633	21 11,110 4.99 554	12-69 35	405 .02 21 28
32-20-9773	2186253	475595	9-62	4 305 13,468 4.89 658	11 9,518 5.19 494	4-70 43	786 .01 37 51
32-20-9787	2279461	528754	11-64	2 269 11,935 4.76 568	5 9,780 4.41 431	7-69 40	573 .13 40 48
32-20-9906	2249124	558740	11-63	3 304 14,413 5.38 775	5 10,290 5.02 517	2-69 34	660 .14 45 54
32-20-9906	2259807	558740	3-64	3 298 12,213 5.54 676	6 10,700 5.09 545	1-69 34	321 .14 29 32
32-20-9906	2285420	558740	11-64	4 303 13,870 5.31 736	8 10,755 5.23 562	10-69 35	561 .10 36 44
32-20-9906	2307873	558740	9-64	3 305 14,193 5.06 718	10 10,763 5.13 552	7-69 34	575 .07 34 43
32-20-9906	2435226	558740	3-67	1 305 14,330 4.84 693	13 11,250 5.21 586	8-69 26	403 .03 22 29
32-20-9906	2437542	553667	7-67	1 305 15,020 5.62 844	17 11,640 5.20 605	9-69 35	501 .11 34 41
32-20-9921	1922882	503781	7-58	2 305 14,225 5.97 849	14 11,000 5.05 555	8-69 38	300 .18 32 34
32-20-9921	2288248	560029	1-65	2 305 13,210 4.85 641	5 10,225 5.23 535	12-68 30	483 -.01 21 30
32-20-9922	1855600	475595	9-57	7 301 13,520 5.79 783	21 11,781 5.26 620	2-69 44	546 .13 39 47
32-20-9922	1869059	475595	1-58	8 304 13,836 5.05 699	13 11,521 5.38 620	2-69 44	618 -.01 28 39
32-20-9922	1996486	475595	9-59	6 300 13,235 5.04 667	18 11,762 5.43 639	11-68 44	511 -.02 22 32
32-20-9922	2022823	475595	9-60	6 279 14,842 4.68 694	12 11,187 5.00 559	1-69 44	788 -.02 35 49
32-20-9922	2156455	546396	4-62	5 305 16,614 5.46 907	24 12,300 5.30 652	7-69 40	803 .10 48 61
32-20-9922	2172262	528424	8-62	3 305 22,223 4.93 1095	25 12,760 5.35 683	4-69 42	1,315 -.02 59 83
32-20-9922	2212589	528754	3-63	3 305 14,057 6.02 846	23 12,250 5.34 654	11-69 42	581 .23 50 57

TABLE 2. GUERNSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW MO-ORN	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB) FAT (%) FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB) FAT (%) FAT (LB)	LAST T CALVD C REPT	.....C O W MILK (LB) FAT (%) FAT (LB)	I N D E X..... FAT (%) FAT (LB) OOL- LARS
32-20-9922	2244449	475595	12-60	5 304 13,556 5.25 712	16 12,102 5.30 642	8-69	44	513 .03 27 \$ 36
32-20-9922	2275621	528754	2-63	4 240 14,165 4.68 663	25 12,153 5.21 633	1-70	43	615 .02 31 42
32-20-9922	2308820	549588	12-64	3 305 16,983 5.12 869	37 12,700 5.43 690	11-68	41	694 -.02 29 42
32-20-9922	2343592	564443	11-65	2 305 17,520 4.91 861	31 12,175 5.35 651	9-69	30	741 -.02 32 46
32-20-9922	2360747	528754	11-65	3 287 14,817 5.22 774	22 11,260 4.94 556	1-70	42	774 .15 52 63
32-20-9922	2417686	553667	10-67	1 270 13,110 5.47 717	29 11,590 5.19 602	8-69	8 35	359 .07 24 29
32-20-9926	2223371	537977	9-63	3 305 12,136 4.52 548	12 8,740 4.92 430	7-69	34	515 -.02 22 32
32-20-9926	2223372	537977	10-63	5 305 13,036 4.86 633	11 10,046 4.86 488	1-70	37	521 .04 28 37
32-20-9926	2280463	475548	10-64	2 305 12,450 5.43 676	20 9,335 4.79 447	8-69	40	453 .13 34 40
32-20-9961	2013568	499561	1-60	7 305 13,393 5.09 682	14 10,727 4.88 524	5-69	43	426 .11 31 37
32-20-9961	2305527	555391	4-64	4 305 16,125 4.58 738	9 11,190 4.95 554	4-70	37	902 -.06 36 53
32-20-9961	2315166	549235	7-64	1 305 18,050 4.61 833	10 12,710 4.73 601	3-69	36	757 -.13 22 38
32-25-9482	2211274	505815	2-63	4 304 16,067 4.61 740	15 11,060 4.86 538	1-69	36	780 -.04 32 47
32-25-9482	2223767	544384	12-61	1 305 18,690 4.37 816	15 12,860 4.88 627	3-70	24	568 -.09 17 29
32-25-9482	2304503	539742	2-65	3 305 14,433 4.53 654	22 10,983 4.93 541	9-69	41	571 .00 27 37
32-25-9482	2318405	556035	1-64	4 305 15,700 5.00 785	11 11,655 4.81 561	2-69	33	620 .07 36 46
32-27-0111	2218174	533769	7-63	2 305 16,620 4.34 721	18 10,920 4.51 493	10-68	40	819 -.12 25 42
32-27-0111	2233592	548853	7-63	4 300 14,980 4.67 700	14 11,010 4.57 503	12-68	33	688 .00 32 44
32-27-0481	2076117	505384	3-61	2 305 14,985 4.27 640	14 10,450 4.55 475	5-69	40	679 -.14 17 32
32-30-0534	2128182	545319	2-62	6 262 11,503 4.61 530	14 8,853 4.48 397	2-70	37	479 .03 25 33
32-30-0534	2253795	528424	11-63	3 299 13,193 4.02 531	10 9,627 4.40 424	1-69	42	591 -.07 20 32
32-30-0534	2349480	567336	9-65	3 303 11,546 4.37 505	10 9,676 4.47 433	1-70	32	524 -.06 18 29
32-30-0763	2338260	512974	10-65	1 305 16,250 4.49 729	9 10,110 4.59 464	12-68	36	532 -.07 18 29
32-32-9534	2074896	544603	2-61	3 305 15,487 4.24 657	68 10,033 4.39 440	1-70	29	783 -.05 31 46
32-32-9534	2115314	479912	12-61	3 302 12,230 4.39 537	78 9,643 4.37 421	11-69	36	476 -.02 20 29
32-32-9534	2337644	558030	11-65	2 298 13,320 4.76 634	66 9,830 4.47 439	8-69	31	438 .07 27 34
32-32-9534	2365048	558030	5-66	2 305 12,630 5.08 642	48 10,020 4.37 438	2-70	31	338 .12 28 32
32-32-9534	2365068	563711	6-66	2 293 11,875 4.73 562	62 9,655 4.48 433	10-69	30	405 .04 23 30
32-32-9534	2365069	563711	7-66	1 305 12,200 5.13 626	72 9,640 4.56 440	10-69	24	380 .07 25 31
32-32-9534	2365072	563711	6-66	2 284 12,460 4.86 605	52 10,350 4.42 457	2-70	30	400 .07 26 32
32-32-9534	2369524	533769	4-66	2 305 16,100 4.27 687	39 9,860 4.44 438	4-70	40	863 -.12 27 45
32-32-9534	2369525	533769	7-66	1 305 15,130 4.54 687	74 10,450 4.52 472	5-69	36	597 -.09 18 30
32-33-9041	1647003	496661	9-54	11 303 12,590 4.56 574	10 10,838 4.62 501	9-68	36	431 .00 20 28
32-33-9041	2139839	540259	10-61	2 305 16,030 4.54 727	17 10,910 4.67 509	10-68	38	660 -.03 28 40
32-33-9041	2193984	540259	1-63	4 298 15,023 4.60 691	12 11,888 4.60 547	5-69	42	532 -.02 23 33
32-33-9041	2198250	549235	1-63	4 305 18,318 4.60 842	20 11,278 4.57 515	8-69	44	1,188 -.10 44 67
32-33-9041	2342182	550942	8-65	3 305 12,753 4.99 637	17 11,146 4.58 511	11-69	42	392 .04 22 28
32-33-9041	2351485	549235	1-66	2 305 17,405 4.56 794	21 12,015 4.69 563	10-69	40	887 -.13 28 46
32-33-9041	2370989	549235	2-66	2 305 16,210 4.40 713	30 12,045 4.77 575	8-69	40	763 -.16 19 36
32-33-9041	2376188	533769	8-66	1 305 22,800 4.31 982	15 12,860 4.64 597	1-69	36	1,007 -.14 32 53
32-34-0651	2190861	551089	2-63	4 303 13,582 4.82 655	13 9,725 4.84 471	1-69	33	577 .02 29 39
32-34-9102	2140119	547620	10-61	5 305 12,282 5.00 614	16 10,200 5.03 513	11-68	37	379 .04 22 28
32-34-9104	2381419	564726	9-66	2 305 15,535 4.58 712	12 10,895 5.02 547	12-69	29	659 -.05 25 38
32-35-0040	2333536	562612	4-65	2 305 11,560 5.03 582	7 8,445 4.75 401	4-69	25	379 .05 23 29
32-36-0650	2096170	533583	9-61	4 305 11,267 4.73 533	10 8,687 4.66 405	1-70	33	430 .01 21 29
32-36-0650	2327010	549235	2-63	4 287 12,265 4.08 501	16 9,103 4.76 433	12-69	44	682 -.19 12 28
32-36-0650	2354824	564976	4-66	2 305 12,830 4.79 614	15 9,705 4.64 450	1-70	25	396 .03 21 28
32-36-0650	2397904	565142	5-66	1 305 12,930 5.32 688	18 9,410 4.55 428	1-70	27	312 .10 24 28
32-37-0531	2316459	459489	12-64	3 305 13,253 4.89 648	8 10,347 4.70 486	2-69	42	448 .05 26 33
32-38-0044	2213234	496783	4-62	6 299 13,790 4.29 592	11 10,455 4.63 484	11-69	44	552 -.03 23 33
32-38-0044	2219357	550942	9-62	5 305 14,106 4.32 609	7 10,932 4.64 507	7-69	44	611 -.07 21 33
32-38-0283	2158747	539332	3-62	5 304 11,180 5.08 568	8 9,060 4.77 432	8-69	35	325 .08 23 28
32-38-0652	2123927	475595	11-61	5 305 16,126 4.01 646	22 10,442 4.83 504	9-68	44	1,043 -.13 35 56
32-38-0652	2322074	475595	8-64	3 296 13,280 4.31 573	21 10,843 4.67 506	3-69	42	600 -.03 25 36
32-38-9282	2300912	533769	9-64	2 305 14,145 5.05 714	19 10,120 4.98 504	5-69	40	641 -.06 24 37
32-38-9282	2360387	567348	9-65	3 305 14,770 4.71 695	19 10,733 4.92 528	1-70	29	591 -.02 25 36
32-41-0652	2177671	550942	9-62	5 253 13,162 4.31 567	13 8,688 4.62 401	7-69	44	751 -.07 28 43
32-41-0763	2339817	559695	7-65	2 305 12,110 5.04 610	7 9,360 4.97 465	9-69	32	478 -.01 21 30
32-41-0763	2432803	556020	10-67	1 305 16,230 4.84 786	5 10,600 4.65 493	2-70	35	493 .04 27 35
32-43-9531	1664225	451597	2-55	3 305 16,340 4.85 792	13 12,293 4.94 607	4-69	40	454 .01 22 30
32-43-9531	2152613	539742	2-62	4 305 17,843 5.04 900	16 13,213 4.90 648	3-70	42	777 .11 47 59
32-43-9531	2249954	539742	9-63	4 305 15,450 5.01 774	22 13,223 4.96 651	12-69	42	486 .07 30 38
32-43-9531	2249955	539742	9-63	3 305 14,150 5.22 738	7 12,880 4.93 606	4-70	41	402 .11 30 35
32-43-9531	2293762	539742	11-64	4 305 14,208 5.31 754	29 12,963 4.99 647	12-69	42	348 .12 28 32
32-43-9542	2342757	539742	9-65	3 305 14,090 5.02 708	7 12,697 4.85 616	3-70	41	351 .10 26 31
32-43-9542	2361949	539742	10-65	3 305 14,520 4.86 706	6 12,840 4.82 619	2-70	41	386 .07 25 31
32-43-9542	2368595	539742	9-65	2 251 13,395 5.67 760	8 12,015 4.94 593	1-69	39	325 .17 32 35
32-43-9542	2389352	539742	10-66	1 287 16,620 4.57 760	8 12,340 4.79 596	2-70	35	510 .04 28 36
32-43-9542	2406602	539742	1-66	3 257 13,033 5.37 700	5 11,787 4.89 576	4-70	41	323 .14 29 32
32-44-0325	2319316	528424	12-64	3 305 13,893 4.90 681	18 10,857 4.95 537	1-69	42	544 .01 26 36
32-44-0961	2140968	475595	10-61	4 299 11,543 4.68 540	5 9,725 4.71 458	9-68	43	523 .03 27 36
32-44-9963	2014540	475595	3-60	7 305 13,509 4.37 591	8 10,524 5.03 529	8-69	44	692 -.07 25 39
32-44-9963	2117880	475595	10-61	5 298 12,670 4.40 558	7 10,518 4.93 519	3-69	44	583 -.05 22 33
32-44-9963	2286266	566570	8-64	4 305 14,203 4.68 664	11 11,003 5.05 556	2-70	30	507 -.05 18 28
32-48-0651	2222965	528424	7-63	4 294 12,145 4.77 579	10 9,530 5.02 478	10-69	43	496 -.02 21 30
32-49-9590	1971618	527543	5-59	7 305 13,815 5.19 717	22 11,980 4.72 565	9-69	36	304 .12 26 29
32-49-9590	2202473	511244	10-62	4 299 15,093 4.58 692	22 12,125 4.68 568	7-69	43	567 -.07 19 30
32-49-9590	2217269	512974	1-63	3 305 23,267 4.70 1093	33 13,120 4.60 604	6-69	42	1,271 -.03 56 79
32-49-9590	2282570	559695	4-64	3 305 17,793 3.93 699	33 12,866 4.76 613	1-69	34	846 -.21 17 36
32-49-9590	2282575	559695	6-64	3 305 16,440 4.13 679	16 12,580 4.67 587	7-69	34	703 -.14 18 33
32-49-9590	2318221	528424	12-64	3 305 16,260 3.98 647	33 12,717 4.66 593	7-69	42	625 -.13 16 29
32-49-9590	2318222	559695	12-64	4 305 16,145 4.55 734	31 12,810 4.71 603	3-70	36	666 -.07 24 37
32-49-9590	2325628	533769	11-64	3 305 15,013 4.80 721	20 12,870 4.63 596	9-69	42	503 -.05 18 28
32-49-9590	2343745	511244	3-65	4 304 15,865 4.91 779	28 12,898 4.70 606	2-70	43	576 -.02 25 36
32-49-9590	2343749	559695	5-65	2 305 17,360 4.11 713	23 13,480 4.67 630	3-69	32	656 -.14 16 30

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..STRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C MO-YR O	.....C O W REPT MILK (%) (L8)	I N O E X..... FAT FAT (%) (L8)	DOL- LARS
32-49-9590	2343760	511244	9-65	3 305 15,617 4.52 706	37 12,407 4.77 592	10-69	42	577 -.10 17	\$ 29
32-49-9590	2343762	511244	9-65	2 296 18,235 4.15 756	14 13,665 4.66 637	5-69	40	683 -.15 16	31
32-49-9590	2383088	511244	1-66	3 305 14,863 4.88 725	40 12,483 4.74 592	10-69	42	481 -.03 19	28
32-49-9590	2383451	539742	6-66	2 305 13,895 5.14 714	46 12,635 4.75 600	11-69	39	319 -.12 27	31
32-49-9590	2426804	539742	9-66	2 305 15,055 4.52 680	47 12,650 4.72 597	2-70	39	438 .03 23	30
32-49-9590	2472959	559695	2-68	1 298 16,500 4.27 705	54 12,070 4.81 581	11-69	26	581 -.11 16	28
32-50-0164	2338950	528424	10-65	2 305 12,770 5.01 640	6 10,375 5.00 519	6-69	40	433 .01 21	29
32-50-9161	2186257	555391	11-62	5 304 14,022 4.44 623	8 11,750 4.63 544	9-69	38	550 -.03 22	33
32-50-9161	2220685	555391	7-63	5 305 13,620 4.68 637	9 11,704 4.78 559	2-70	38	498 -.01 22	31
32-50-9161	2258910	546396	10-63	4 305 17,090 4.02 687	8 11,055 4.66 515	11-69	39	990 -.11 34	54
32-50-9161	2305521	555391	12-63	4 304 18,185 4.39 799	9 12,262 4.69 575	3-70	37	1,054 -.06 42	62
32-50-9333	2350362	528424	8-65	3 237 14,230 5.01 713	8 11,377 4.86 553	7-69	42	529 .03 28	37
32-57-0449	2360159	539742	9-65	3 296 12,910 4.74 612	7 9,207 4.45 410	12-69	41	580 .09 36	45
32-57-9241	2286545	549235	7-64	3 305 15,733 4.61 726	7 11,593 4.82 559	1-69	42	804 -.13 24	41
32-57-9241	2306844	549235	1-65	3 305 13,740 4.22 580	7 10,543 4.79 505	9-69	42	684 -.18 13	29
32-57-9482	2076778	496783	1-61	6 305 15,073 4.37 659	10 10,667 4.45 475	6-69	44	693 .01 33	45
32-57-9482	2223237	527002	11-62	5 302 15,360 4.32 664	10 11,428 4.41 504	10-69	43	520 -.02 22	32
32-57-9482	2364804	533769	1-66	2 305 14,550 4.25 619	8 10,900 4.50 490	12-69	40	611 -.13 15	28
32-57-9482	2428580	553667	3-67	1 305 13,130 5.01 658	5 11,840 4.47 529	8-69	35	343 .09 25	30
32-57-9901	2093700	475595	9-61	2 305 13,970 4.59 641	23 11,305 4.79 541	10-69	40	602 .00 28	39
32-57-9901	2125213	475595	8-61	2 305 17,225 4.64 799	21 12,345 4.71 582	1-69	40	838 .02 41	56
32-57-9901	2186254	555391	10-62	5 304 15,302 4.74 725	17 11,288 4.73 534	11-69	38	796 .01 38	52
32-57-9901	2251563	528754	11-62	4 279 11,473 4.58 526	9 10,000 4.77 477	9-69	43	521 .07 31	39
32-57-9901	2258537	528754	1-64	3 305 13,940 4.71 656	14 11,867 4.67 554	2-69	42	608 .10 38	47
32-57-9901	2261206	546396	11-63	4 251 13,525 4.27 578	11 11,217 4.69 526	6-69	39	497 -.05 18	28
32-57-9901	2264192	528754	1-64	4 305 13,148 4.58 602	13 11,620 4.66 541	4-70	43	548 .08 34	42
32-57-9901	2276889	528754	9-64	1 305 13,580 4.47 607	11 12,060 4.69 566	2-69	35	508 .08 32	40
32-57-9901	2278085	528754	11-64	4 297 13,658 4.72 645	12 11,620 4.68 544	2-70	43	611 .10 39	48
32-57-9901	2279462	528754	12-64	2 301 14,845 4.32 642	7 10,950 4.48 491	1-70	40	763 .06 42	55
32-57-9901	2307770	528754	3-63	3 303 13,423 4.54 609	11 11,947 4.68 559	2-70	42	539 .07 32	41
32-57-9901	2311200	528754	12-64	3 305 12,740 5.52 703	5 10,267 4.41 453	6-69	42	636 .24 54	61
32-57-9901	2312414	528754	7-65	1 276 13,700 5.57 763	13 12,290 4.69 576	12-69	35	502 .19 43	49
32-57-9901	2312415	528754	7-65	1 305 14,790 4.54 672	6 11,910 4.58 545	2-70	35	610 .09 38	47
32-57-9901	2326803	528754	7-65	3 302 14,420 4.94 712	14 11,453 4.69 537	12-69	42	707 .14 47	57
32-57-9901	2332587	528754	3-65	1 305 15,200 5.07 770	7 12,540 4.67 586	1-70	35	598 .15 43	51
32-57-9901	2374452	528754	9-66	2 305 13,085 4.90 641	11 11,845 4.64 550	1-70	40	501 .14 37	44
32-57-9901	2375794	528754	12-65	3 305 12,967 4.80 622	13 11,810 4.74 560	11-69	42	500 .11 34	41
32-57-9901	2380228	528754	1-66	2 305 11,680 5.25 613	8 10,335 4.64 480	7-69	40	496 .17 40	46
32-57-9901	2399859	528754	4-67	1 305 16,190 5.02 813	14 11,380 4.75 540	10-69	35	752 .14 49	60
32-57-9901	2410320	528754	12-66	1 305 13,000 5.01 651	14 11,380 4.75 540	10-69	35	511 .13 37	44
32-57-9901	2423492	528754	1-66	2 300 14,370 4.87 700	15 11,115 4.60 511	9-69	40	699 .13 46	56
32-57-9901	2434210	528754	9-67	1 305 15,090 4.42 667	6 11,910 4.58 545	2-70	35	633 .08 38	48
32-57-9901	2435276	528754	7-67	1 305 13,710 4.81 660	7 12,540 4.67 586	1-70	35	486 .11 34	41
32-57-9901	2463815	528754	11-64	1 305 13,760 5.11 703	12 11,760 4.66 548	3-69	35	542 .15 40	47
32-57-9960	1870480	515083	12-57	6 301 13,707 4.60 631	12 10,472 4.81 504	11-68	38	582 -.02 25	36
32-61-0042	2183253	549235	12-62	3 305 12,633 4.63 585	10 10,033 4.88 490	4-69	42	609 -.13 15	28
32-61-0042	2420009	533769	6-66	2 305 12,790 4.48 573	17 8,755 4.89 428	10-69	40	628 -.13 16	30
32-61-0820	2311503	549235	8-64	3 305 14,740 4.12 607	10 9,590 4.81 461	3-69	42	898 -.21 20	40
32-68-0540	2177251	537210	9-62	5 292 15,388 4.39 675	16 11,486 4.57 525	1-69	37	500 -.04 19	29
32-68-0540	2432820	571073	9-67	1 305 15,350 5.03 772	21 11,320 4.69 531	12-69	19	399 .05 24	30
32-76-0760	2250134	529773	3-64	3 305 11,177 5.54 619	7 9,180 4.81 442	3-69	42	304 .16 30	33
32-76-0960	2152426	555595	2-62	3 305 11,897 4.93 587	14 10,597 4.73 501	3-69	42	465 .05 27	34
32-76-0960	2152427	475595	2-62	4 303 13,143 5.03 661	12 11,010 4.70 517	3-70	43	578 .08 35	44
32-76-0960	2193527	475595	1-63	5 298 12,048 4.91 591	16 10,964 4.65 510	5-69	44	450 .06 27	34
32-76-0960	2237948	499561	11-63	4 301 13,595 4.99 678	19 11,325 4.81 545	11-69	42	369 .11 28	33
32-76-0960	2329648	539742	3-65	1 305 13,170 4.99 657	20 11,030 4.78 527	5-69	35	343 .08 24	29
32-76-0960	2334038	539742	4-65	2 305 14,315 4.39 629	17 11,315 4.80 543	11-68	39	486 .00 23	32
32-76-0960	2350957	539742	1-66	2 300 13,620 4.59 625	19 11,350 4.90 556	9-69	39	410 .03 22	29
32-76-0960	2350960	549588	6-65	2 305 14,475 4.41 638	16 10,850 4.76 517	3-69	39	551 -.06 19	30
32-76-0960	2442673	553667	9-67	1 305 14,920 4.46 666	20 11,990 4.66 559	1-70	35	469 .01 23	31
32-85-0909	2414015	566443	2-67	1 305 14,280 4.57 652	5 10,210 4.52 461	10-69	24	448 .01 22	30
32-89-0327	2412416	539742	10-66	2 305 13,105 5.13 672	16 10,575 4.72 499	2-70	39	429 .12 32	38
32-92-9531	1969798	496783	10-59	7 305 14,191 4.76 675	21 11,639 5.01 583	4-69	44	466 .00 22	30
32-92-9531	2360969	565285	5-66	2 305 14,495 4.55 659	26 11,080 5.00 554	11-69	30	525 -.06 18	29
32-92-9531	2388569	558566	11-66	1 305 20,110 4.40 885	18 11,420 5.02 573	11-68	23	988 -.08 37	56
33-01-0211	2347965	566348	11-65	2 305 11,865 4.88 579	7 7,810 4.67 365	6-69	30	462 .05 26	34
33-01-0741	2199116	529281	2-63	4 305 11,095 4.53 503	19 8,555 4.63 396	5-69	35	537 -.03 22	32
33-09-0002	2291748	550942	12-64	4 293 13,032 4.53 591	7 10,605 4.60 488	11-69	43	497 -.03 20	29
33-09-0002	2371592	546331	6-66	2 297 12,960 4.63 600	6 10,345 4.79 496	11-69	8 40	466 .01 23	31
33-09-0002	2434226	546331	11-67	1 305 11,810 4.78 564	10 9,290 4.85 451	1-70	35	392 .03 21	28
33-09-0002	2434229	546331	12-67	1 305 12,900 4.32 557	9 8,490 4.94 419	2-70	35	529 -.02 23	33
33-09-0141	2335932	562638	9-65	3 285 15,226 5.05 769	19 11,193 4.97 556	1-70	32	658 .04 35	46
33-09-0141	2377541	548128	3-66	2 305 14,320 4.44 636	19 10,590 4.92 521	8-69	37	662 -.06 25	38
33-09-0141	2463382	548128	12-67	1 305 13,100 5.11 669	18 11,340 4.77 541	3-70	33	426 .03 23	30
33-09-0352	2267220	548281	6-64	3 305 14,587 4.95 722	7 10,970 4.66 511	3-69	41	509 .06 30	38
33-09-0352	2345473	561468	7-65	2 305 15,050 4.42 665	16 10,065 4.89 492	11-68	38	794 -.19 17	35
33-09-0352	2382121	550942	8-66	2 305 12,260 5.17 634	11 10,170 4.84 492	12-69	40	412 .03 22	29
33-11-0740	2394347	537680	12-66	1 305 12,770 4.50 575	22 7,930 4.73 375	12-68	34	643 -.01 29	41
33-11-0910	2389705	537680	11-66	1 305 11,290 5.04 569	13 9,690 5.01 485	5-69	34	407 .02 21	28
33-21-0671	2020094	536121	3-60	7 284 15,200 5.39 820	29 12,473 4.83 603	6-69	8 35	477 .15 37	43
33-21-0671	2343470	547878	7-65	2 305 17,330 4.71 816	17 13,155 4.83 636	1-69	30	585 -.01 26	37
33-21-0672	2101265	498183	10-61	4 305 16,893 4.55 769	40 12,543 4.68 587	4-69	40	536 -.02 23	33
33-21-0672	2269652	533769	7-64	3 253 15,630 4.79 749	23 11,673 4.89 571	5-69	42	698 -.08 24	38
33-21-0672	2372666	533769	12-65	2 305 16,205 4.81 780	23 11,325 4.84 548	7-69	40	740 -.08 26	41
33-21-0672	2375832	533769	5-65	3 305 16,026 4.27 684	22 12,163 4.77 580	11-69	42	693 -.17 15	30

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALV C REPT MO-YR D (%)	.....C O W MILK (L8)	I N D E X..... FAT (%) (L8)	DOL- LARS
33-21-0672	2430716	533769	12-67	1 305 17,740 4.04 717	11 12,610 4.54 573	3-70	36	647 -.17 13	\$ 28
33-36-0512	2100320	487028	5-61	6 305 12,905 5.12 661	13 10,593 4.76 504	6-69	43	302 -.11 25	29
33-36-0846	2400837	559800	7-66	1 305 12,660 5.96 755	6 9,080 4.37 397	4-69	24	331 -.25 40	42
33-36-9143	2036645	446687	5-60	7 304 15,170 4.32 656	11 10,853 4.75 516	6-69	43	647 -.03 27	39
33-36-9143	2414330	549235	2-67	1 305 13,220 5.04 666	18 9,400 4.91 462	11-69	36	619 -.09 19	32
33-37-0510	2257147	549235	1-64	4 305 14,013 3.92 550	13 9,550 4.30 411	5-69	44	848 -.18 20	39
33-37-0510	2322753	550942	6-65	2 305 12,570 4.28 538	8 9,030 4.26 385	1-69	40	548 -.03 22	32
33-37-0510	2425830	537680	9-67	1 305 11,760 4.81 566	12 9,600 4.61 443	11-69	34	449 -.02 23	31
33-41-0351	2227122	511244	9-63	4 305 13,113 4.73 620	42 10,268 4.92 505	8-69	43	528 -.07 17	28
33-41-0351	2227124	506243	9-63	4 305 13,833 4.65 643	37 9,883 5.02 496	7-69	43	661 -.06 25	38
33-41-0351	2303106	501586	8-64	3 305 11,350 5.34 606	39 9,773 5.05 494	11-68	41	446 -.03 24	31
33-41-0351	2362286	501586	12-65	2 305 15,015 4.48 673	47 10,175 5.05 514	8-69	39	777 -.08 28	43
33-41-0351	2400037	501586	4-67	1 305 12,250 5.15 631	58 9,940 5.07 504	9-69	35	467 -.00 22	30
33-41-0671	2127923	541003	8-61	4 305 12,842 4.75 610	13 8,442 4.73 399	9-68	35	633 -.01 30	41
33-41-0671	2388864	550942	12-65	2 305 11,810 4.84 572	18 7,980 4.65 371	6-69	40	567 -.01 27	37
33-43-0155	2398953	560834	7-66	2 305 15,170 4.24 643	20 9,505 4.64 441	12-69	29	778 -.07 29	44
33-43-0472	2325051	550942	1-64	4 305 11,722 4.29 503	13 8,047 4.56 367	2-69	43	621 -.06 23	35
33-43-9218	2203647	557111	4-63	4 305 13,377 4.72 632	16 10,015 4.85 486	11-69	33	462 -.00 21	29
33-44-0171	2216291	563544	6-63	3 305 11,507 4.70 541	16 8,103 4.94 400	12-68	32	497 -.02 21	30
33-46-0712	2258840	533769	2-64	4 305 13,395 4.52 605	20 9,452 4.44 420	8-69	44	699 -.08 24	38
33-46-0712	2366300	563251	4-66	2 297 12,560 4.34 545	30 9,380 4.40 413	9-69	29	472 -.02 20	29
33-46-0712	2397680	563251	9-66	2 305 13,595 4.55 618	12 10,715 4.34 465	2-70	29	452 -.02 23	31
33-48-0519	2443781	568584	1-68	1 305 13,870 4.77 661	10 9,010 4.88 440	3-70	24	623 -.01 28	39
33-48-0519	2443786	568584	2-68	1 305 13,400 4.75 637	10 9,010 4.88 440	3-70	24	581 -.01 26	37
33-48-0713	2011178	528086	1-60	7 305 11,534 5.05 582	13 9,151 4.66 426	11-69	35	444 -.08 29	36
33-51-9440	2155046	525464	3-62	5 305 14,320 4.53 649	18 10,014 4.67 468	1-70	35	756 -.01 34	48
33-51-9440	2424002	546331	5-67	1 305 13,220 4.42 584	19 9,410 4.58 431	6-69	35	490 -.01 24	33
33-51-9671	1987426	493542	7-59	4 297 13,035 5.14 670	9 11,513 4.79 552	12-69	39	394 -.04 22	28
33-51-9671	2124589	548128	7-61	6 305 13,801 5.93 819	12 10,823 4.83 523	5-69	42	657 -.21 52	60
33-61-0346	2376493	551921	4-66	2 305 12,935 4.79 619	25 9,145 4.56 417	9-69	34	543 -.02 27	37
33-61-0346	2409776	533769	3-67	1 305 13,400 4.29 575	23 8,430 4.59 387	4-69	36	604 -.13 15	28
33-61-0365	2427440	549235	2-67	1 305 14,020 4.14 581	21 7,960 4.90 390	10-69	36	775 -.17 18	35
33-62-0211	2381591	557482	10-66	1 305 12,990 4.35 565	20 8,420 4.54 382	1-69	33	525 -.06 18	29
33-62-0325	2130991	470947	10-61	3 305 14,353 4.86 698	10 10,527 4.56 480	2-70	42	382 -.07 25	31
33-62-0325	2353256	548128	1-66	3 299 12,386 4.43 549	9 10,403 4.55 473	2-70	39	496 -.02 21	30
33-62-0474	2279908	551278	12-64	2 304 16,645 4.39 731	11 12,535 4.75 595	2-70	29	487 -.03 20	29
33-62-0474	2279917	549235	9-64	4 302 15,113 4.52 683	21 11,858 4.86 576	3-70	44	728 -.15 18	34
33-62-0474	2341820	543853	9-65	3 305 14,803 4.91 727	16 12,480 4.78 597	4-70	41	455 -.03 24	32
33-62-0476	2417745	537680	4-67	1 289 11,430 4.56 521	15 8,910 4.66 415	7-69	34	472 -.00 22	31
33-62-0519	2326258	551920	12-64	4 303 15,000 4.41 661	22 9,485 4.73 449	3-70	41	731 -.03 31	45
33-62-0519	2446861	543853	10-67	1 305 12,130 4.53 550	26 8,130 4.66 379	10-69	35	460 -.01 20	29
33-62-0681	2132505	418022	6-61	3 305 11,867 4.76 565	18 8,797 4.82 424	11-68	42	514 -.01 25	34
33-62-9241	2164873	545908	5-62	4 305 13,093 5.03 658	30 10,905 4.83 527	7-69	32	429 -.04 24	31
33-62-9241	2191119	518624	1-63	4 305 13,988 5.30 741	31 10,425 4.83 504	8-69	43	467 -.16 38	44
33-62-9241	2367792	546331	4-66	2 305 16,165 4.23 684	37 11,335 4.70 533	1-70	40	702 -.04 28	41
33-62-9241	2379736	533769	7-66	2 305 15,595 4.91 766	32 11,520 4.56 525	2-70	40	661 -.04 27	40
33-78-0145	2073692	523066	10-60	6 305 12,962 4.29 556	21 8,908 4.84 431	4-69	36	639 -.09 20	33
33-78-0145	2442743	537680	4-67	1 305 13,070 4.66 609	20 9,030 4.72 426	12-69	34	590 -.01 28	39
33-79-0672	2304897	550942	1-65	2 305 13,280 4.46 592	14 10,005 4.85 485	3-69	40	531 -.06 19	30
33-85-9710	2177289	496783	10-62	4 284 13,653 4.31 589	30 10,725 4.65 499	5-69	44	487 -.02 21	30
33-85-9710	2294079	496783	3-65	3 277 13,290 4.38 582	27 10,680 4.50 481	7-69	42	427 -.01 21	29
33-85-9710	2370452	533769	7-66	1 305 16,750 4.04 676	22 10,770 4.50 485	4-69	36	696 -.16 16	31
33-85-9710	2434994	537680	12-67	1 305 14,240 4.96 707	23 9,480 4.32 410	2-70	34	649 -.06 36	47
33-86-0217	2329651	550942	6-65	2 301 12,730 5.04 642	18 10,140 4.74 481	1-70	40	463 -.02 24	32
33-86-0527	2342794	560886	8-65	3 304 12,396 4.31 534	7 8,330 4.84 403	11-69	32	546 -.07 18	29
33-95-0344	2366921	550942	10-65	3 305 14,353 4.10 588	7 10,846 4.80 521	3-70	42	610 -.13 15	28
33-95-0344	2367238	550942	1-66	2 305 14,770 4.47 660	5 10,765 4.69 505	3-69	40	613 -.04 24	36
33-95-0470	2367648	549235	1-66	1 305 12,890 4.42 570	8 8,580 4.76 408	5-69	36	650 -.14 16	30
33-98-9613	2318188	562098	1-65	3 295 14,393 4.20 605	13 10,363 4.68 485	8-69	32	763 -.11 24	40
33-98-9613	2453050	562098	6-67	1 305 18,040 3.91 705	8 10,880 4.78 520	9-69	23	890 -.15 25	44
34-03-0013	2416480	553667	9-67	1 305 13,960 4.88 681	7 9,280 5.08 471	11-69	35	583 -.04 31	41
34-03-0023	2275589	528424	8-64	1 305 18,050 5.11 923	14 14,080 4.50 634	2-70	35	527 -.07 32	40
34-03-0023	2318179	537680	6-65	3 305 15,287 4.72 721	23 11,337 4.86 551	9-69	41	744 -.01 34	48
34-03-0023	2405098	553667	3-67	1 299 14,310 4.66 667	22 11,730 4.80 563	10-69	35	441 -.03 23	31
34-03-0023	2418736	567023	10-66	2 305 16,845 4.96 835	23 12,725 4.85 617	12-69	25	561 -.04 30	39
34-03-0023	2422089	553667	10-67	1 305 13,510 4.88 659	22 11,730 4.80 563	10-69	35	379 -.05 23	29
34-03-0023	2422091	553667	10-67	1 305 16,650 4.91 818	21 11,810 4.79 566	11-69	35	614 -.06 35	45
34-03-0023	2424005	553667	10-67	1 305 15,010 5.21 782	21 11,810 4.79 566	11-69	35	489 -.09 32	39
34-03-0023	2429244	553667	10-67	1 305 15,910 4.61 734	21 11,810 4.79 566	11-69	35	558 -.02 28	38
34-03-0023	2466104	567336	8-67	1 305 15,930 4.18 666	23 12,940 4.84 626	12-69	23	603 -.12 16	29
34-08-0081	2309425	555398	8-64	4 305 15,432 4.27 659	64 12,065 4.76 574	12-69	36	585 -.10 17	29
34-08-0081	2309438	560183	10-64	4 304 15,382 4.67 719	44 12,630 4.64 586	3-70	35	483 -.04 26	34
34-08-0081	2309446	537680	1-65	2 305 15,050 4.85 730	61 12,595 4.68 590	11-68	38	553 -.03 29	38
34-08-0081	2309455	560183	2-65	3 293 13,763 4.60 633	40 10,936 4.79 524	7-69	33	443 -.01 20	28
34-08-0081	2318778	529773	5-64	4 276 14,145 5.01 709	52 12,098 4.79 579	12-69	43	360 -.10 27	32
34-08-0081	2350594	511244	10-65	3 303 18,877 4.48 845	54 12,900 4.60 594	1-70	42	905 -.09 33	51
34-08-0081	2374382	539742	10-66	2 305 16,145 4.56 736	65 12,685 4.57 580	11-69	39	547 -.06 31	40
34-08-0081	2403780	549235	12-66	2 303 18,945 3.95 748	49 13,220 4.52 597	2-70	40	934 -.22 20	41
34-08-0081	2403782	549235	11-66	2 305 15,590 4.49 700	62 13,075 4.56 596	1-70	40	606 -.13 15	28
34-08-0081	2409316	549235	2-67	1 305 15,830 4.62 732	53 11,410 4.67 533	7-69	36	679 -.12 19	33
34-08-0081	2420946	553667	3-67	1 305 13,940 4.71 657	59 11,700 4.68 547	8-69	35	414 -.05 24	31
34-11-0018	2037837	545411	12-60	6 305 14,198 5.15 731	6 10,387 5.02 521	9-69	34	635 -.07 37	47
34-11-0037	2085404	475595	12-60	3 305 13,217 4.27 565	6 11,417 4.88 557	2-69	42	533 -.06 19	30
34-11-0037	2184713	475595	10-62	4 305 11,835 4.31 510	7 10,648 4.57 487	8-69	43	456 -.01 20	28
34-11-0037	2184718	475595	1-63	4 305 12,565 4.95 622	7 11,303 4.79 541	2-69	43	473 -.06 28	36

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HEROMATE NO. MILK (LBS)	AVERAGES.. FAT (%)	FAT (LBS)	LAST CALVO MO-YR	T C O	.....C O W REPT (%)	MILK (LBS)	I N O E X..... FAT (%)	FAT (LBS)	..OOL- LARS	
34-11-0037	2218716	528424	6-63	4 300	15,953	4.19	669	9	11,278	4.89	551	2-70	43	774	-.11	24	\$ 40
34-11-0037	2237216	529773	8-63	4 305	14,665	4.83	709	8	10,950	4.78	523	3-69	43	554	.07	33	42
34-11-0051	1945956	475595	11-58	8 305	12,236	5.29	647	13	10,114	4.83	489	4-69	44	574	.10	37	46
34-12-0013	2008123	475595	11-59	8 305	12,191	4.96	605	13	10,883	5.15	561	9-69	44	478	.01	23	31
34-12-0013	2238458	535209	7-63	3 303	16,333	4.18	683	12	11,547	5.07	585	10-68	33	735	-.17	17	33
34-12-0013	2285585	475595	2-64	3 261	13,753	4.72	649	15	12,730	5.00	637	2-69	8 42	458	-.01	20	28
34-12-0013	2420014	553667	3-67	2 299	15,090	4.90	740	11	13,175	4.98	656	4-70	39	448	.03	24	32
34-19-0016	2109884	432069	4-61	6 305	13,868	4.62	641	18	10,085	5.05	509	6-69	43	500	.02	25	34
34-19-0016	2167275	475595	8-62	4 303	11,775	4.69	552	15	10,738	4.95	532	1-69	43	438	.00	20	28
34-19-0016	2440353	553667	11-67	1 290	14,420	4.41	636	31	11,780	4.92	579	1-70	35	446	-.01	20	28
34-19-0016	2440354	553667	1-68	1 305	14,870	4.65	692	31	11,780	4.92	579	1-70	35	480	.02	24	32
34-19-0100	2167597	549650	8-62	2 305	14,730	4.45	655	20	8,610	4.73	407	4-69	30	783	-.07	29	44
34-19-0100	2312493	549588	2-65	3 305	12,473	4.37	545	21	9,176	4.85	445	10-69	41	537	-.08	17	28
34-19-0100	2312496	549588	5-65	3 305	13,183	4.73	624	24	9,076	4.77	433	9-69	41	631	-.02	27	39
34-19-0100	2326039	549588	6-65	3 305	11,906	4.70	559	23	9,150	4.85	444	10-69	41	474	-.03	19	28
34-19-0100	2434479	553667	1-68	1 305	12,800	4.35	557	14	9,800	4.64	455	3-70	35	458	.01	22	30
34-19-0100	2434481	553667	2-68	1 305	15,130	4.30	651	21	10,570	4.67	494	2-70	35	583	.00	27	38
34-19-0104	2365518	537680	9-65	2 297	12,130	5.01	608	9	10,415	4.83	503	4-69	38	453	.03	24	32
34-19-0104	2395425	539742	5-66	2 299	13,620	4.64	623	8	10,875	4.98	542	12-69	39	434	.03	23	30
34-19-0104	2395427	539742	7-66	2 305	14,615	4.19	612	8	10,875	4.98	542	12-69	39	558	-.04	22	33
34-19-0106	1991685	475595	9-59	7 305	14,353	4.20	603	12	10,440	4.90	512	3-69	44	812	-.08	29	45
34-23-0037	2307076	561580	1-64	3 305	13,323	5.14	685	7	11,203	4.77	534	10-68	30	331	.09	24	29
34-23-0180	2242935	551112	6-63	5 305	15,064	4.49	676	16	11,334	4.89	554	11-69	32	618	-.07	21	33
34-23-0180	2310878	561238	11-64	3 301	13,043	5.06	660	7	10,426	4.69	489	1-70	29	385	.07	25	31
34-23-0180	2386025	539742	7-66	2 305	13,915	5.19	722	15	12,145	4.88	593	9-69	39	367	.11	28	33
34-25-0074	2067722	475595	12-60	3 211	11,670	5.55	648	9	10,620	4.96	527	9-68	8 42	436	.11	31	37
34-29-0032	2209044	546718	11-62	4 303	13,278	5.10	677	21	10,205	4.93	503	9-69	35	444	.07	28	35
34-29-0032	2331495	549588	7-63	4 303	14,117	4.35	614	25	10,872	4.75	516	12-69	42	578	-.08	19	31
34-29-0032	2401648	539742	2-67	2 295	12,275	5.26	646	20	10,980	4.92	540	4-70	39	306	.11	25	29
34-29-0032	2438391	549588	4-66	2 305	14,555	4.77	694	32	10,130	4.91	497	10-69	39	626	-.03	26	38
34-29-0057	2256365	499561	10-63	3 305	14,457	4.97	719	11	11,193	5.17	579	11-68	41	463	.06	28	35
34-29-0057	2350676	549588	10-65	3 305	13,780	5.28	728	9	11,563	5.14	594	3-70	41	439	.03	23	30
34-29-0057	2411200	539742	2-67	2 305	14,395	5.25	756	6	12,200	5.25	640	3-70	39	412	.08	27	33
34-34-0038	2270804	553667	6-64	3 305	14,070	4.95	696	34	12,196	4.72	576	1-69	41	454	.07	28	35
34-34-0038	2288934	553667	1-65	4 305	14,607	4.83	705	22	12,582	4.78	601	3-70	42	493	.05	28	36
34-34-0038	2288935	553667	2-65	3 302	14,413	4.48	646	24	12,080	4.84	585	9-69	41	506	-.01	22	31
34-34-0038	2288939	553667	2-65	3 305	14,416	4.74	683	27	12,743	4.79	610	11-69	41	437	.03	23	30
34-34-0038	2288941	528424	7-64	4 305	14,655	4.91	720	40	12,303	4.72	581	1-70	43	497	.04	27	35
34-34-0038	2336410	537680	4-65	3 305	13,667	4.76	651	36	11,897	4.80	571	9-69	41	492	.00	23	32
34-34-0038	2336411	539742	4-65	3 305	16,390	4.22	692	20	12,143	4.88	592	6-69	41	678	-.05	26	39
34-34-0038	2336412	537680	4-55	3 305	14,337	4.66	668	39	12,030	4.80	578	9-69	41	558	-.01	25	35
34-34-0038	2336420	553667	7-65	2 305	15,315	4.77	730	39	12,125	4.78	579	10-69	39	569	.04	30	40
34-34-0038	2362508	553667	11-65	3 305	14,336	5.13	736	25	13,296	4.77	634	1-70	41	369	.10	27	32
34-34-0038	2380438	537680	6-66	2 305	14,355	4.95	711	41	12,385	4.84	600	9-69	38	500	.03	26	35
34-34-0038	2390361	537680	11-66	1 305	16,760	4.42	741	38	13,400	4.80	643	12-68	34	571	-.03	23	34
34-34-0038	2427164	560029	9-67	1 305	16,710	4.36	728	27	13,090	4.75	622	3-70	25	485	-.03	19	28
34-34-0038	2439111	553667	8-67	1 305	17,020	4.81	819	31	13,670	4.74	648	1-70	35	514	.05	29	37
34-34-0038	2471028	528424	12-66	2 305	14,905	5.15	768	24	12,700	4.77	606	4-70	40	437	.07	27	34
34-39-0004	2227335	533784	9-63	4 295	13,342	5.04	672	24	9,632	5.17	498	1-69	34	490	.01	24	33
34-39-0004	2248128	528424	3-63	3 305	12,263	5.66	694	25	8,403	5.15	433	7-69	42	611	.09	38	47
34-39-0004	2370287	539742	11-65	2 305	12,030	5.00	601	20	9,595	5.05	485	4-69	39	409	.07	26	32
34-39-0004	2428582	553667	4-67	1 305	13,120	4.82	633	25	10,080	4.84	488	3-70	35	463	.04	26	34
34-39-0028	2427956	553667	4-67	1 305	11,540	4.30	496	12	6,620	4.58	303	1-70	35	581	.01	28	38
34-39-0030	2345908	528424	2-66	2 304	14,910	4.96	740	7	9,805	4.85	476	3-70	40	704	.03	36	46
34-39-0042	2077142	546376	11-60	4 305	17,883	4.59	820	23	13,080	4.72	618	3-69	30	783	-.02	34	49
34-39-0042	2156799	549235	4-62	5 298	13,558	4.71	639	8	11,194	4.90	548	3-69	44	619	-.12	16	29
34-39-0042	2188264	528424	1-63	3 305	14,923	5.29	789	26	13,377	4.81	644	12-68	42	400	.08	27	33
34-39-0042	2203685	475595	3-63	3 305	18,420	3.97	732	20	13,750	4.87	670	7-69	42	894	-.15	26	45
34-39-0042	2210909	528424	9-62	4 305	14,810	4.99	739	15	12,355	4.73	585	1-70	43	511	.05	29	37
34-39-0042	2230149	528424	8-63	3 305	16,167	5.16	835	15	12,990	4.74	616	11-69	42	585	.08	35	44
34-39-0042	2255320	529773	9-63	3 305	19,233	4.86	934	23	13,203	4.82	637	8-69	42	821	.08	46	59
34-39-0042	2267542	528424	9-64	3 305	15,143	5.37	813	22	13,307	4.82	642	11-68	42	433	.10	30	36
34-39-0042	2270456	528424	2-68	3 305	14,760	5.32	785	13	11,493	4.94	568	2-69	42	578	.08	35	44
34-39-0042	2289618	539742	3-65	2 305	16,555	4.60	762	31	13,660	4.90	669	1-69	39	499	.02	25	34
34-39-0042	2326769	528754	1-65	3 295	14,957	5.26	786	21	13,027	4.86	633	8-69	42	605	.17	45	53
34-39-0042	2327065	528424	10-64	3 298	13,117	5.44	714	9	10,910	4.98	543	9-68	42	448	.08	29	36
34-39-0042	2353581	549588	1-66	2 305	19,915	4.21	839	24	14,825	4.80	711	2-70	39	744	-.13	21	37
34-39-0042	2391624	549235	8-66	1 305	18,920	4.36	824	29	14,180	4.94	701	11-68	36	723	-.18	15	31
34-39-0042	2468005	567336	11-66	1 305	18,140	4.26	772	16	14,440	4.64	670	3-70	23	681	-.09	22	36
34-39-0042	2468006	567336	9-66	2 305	20,140	4.43	893	25	14,650	4.78	700	2-70	29	1,005	-.10	36	56
34-39-0042	2468007	567336	1-67	1 305	16,910	4.6											

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST. T CALVD C MO-YR D	.....C O W MILK (L8)	I N D E X..... FAT (%) (LB)	..... DOL- LARS
34-41-0001	2397873	567550	3-67	1 305 13,580 5.18 704	50 11,320 4.75 538	5-69	23	372 .08 25	\$ 30
34-41-0001	2446609	553667	12-67	1 291 14,460 5.24 757	42 12,360 4.82 596	12-69	35	409 .09 28	34
34-41-0001	2446614	553667	10-67	1 305 14,630 4.74 694	46 12,010 4.79 575	11-69	35	446 .03 24	31
34-41-0014	2234647	516703	1-62	4 305 12,853 4.55 585	10 9,445 4.96 468	1-70	42	573 -.09 17	29
34-49-0027	2375241	568864	9-66	2 305 11,540 5.32 614	18 9,390 4.93 463	12-69	29	368 .07 24	29
34-49-0027	2414952	568864	5-67	1 305 14,470 4.37 633	22 9,220 4.82 444	9-69	23	592 -.04 23	34
34-49-0027	2414957	568864	4-67	1 305 14,200 4.38 622	19 9,360 4.90 459	11-69	23	556 -.05 21	32
34-49-0076	1980613	440484	8-59	7 305 14,143 5.32 753	26 11,976 4.76 570	1-70	44	376 .12 29	34
34-49-0076	2189464	551898	1-63	4 265 14,665 4.85 711	23 12,093 4.75 574	11-69	32	482 .02 24	32
34-49-0076	2191402	512974	1-63	4 305 17,873 4.88 872	35 12,140 4.77 579	5-69	44	802 -.01 36	51
34-49-0076	2237652	557772	11-63	3 304 14,770 4.84 715	19 12,156 4.72 574	2-69	32	393 .04 22	28
34-49-0076	2413889	553667	8-67	1 305 14,360 4.98 715	21 12,330 4.65 573	10-69	35	403 .07 26	32
34-53-0001	2140463	475595	12-61	5 305 12,722 4.24 539	16 8,902 4.77 425	11-68	44	780 -.06 30	45
34-53-0001	2213329	556202	12-62	3 305 12,693 4.67 593	23 9,350 4.81 450	1-70	29	473 -.01 21	30
34-53-0001	2315948	528424	8-63	5 304 12,204 4.82 588	19 9,396 4.85 456	3-70	44	532 .00 25	35
34-53-0004	2149943	550956	7-62	4 305 13,145 5.23 688	18 11,787 4.82 568	6-69	34	305 .13 27	30
34-53-0004	2207021	550956	9-62	4 304 15,460 5.35 827	13 11,637 4.90 570	3-70	34	659 .16 47	56
34-53-0004	2386742	550956	9-65	3 305 13,870 5.16 716	11 11,000 4.91 540	1-70	32	485 .10 33	40
34-53-0008	2262913	528424	12-63	4 305 15,478 4.31 667	23 12,605 4.78 602	7-69	43	566 -.08 18	30
34-53-0013	2042757	521255	10-59	3 305 13,727 4.86 667	6 10,767 4.96 534	2-69	32	446 -.01 20	28
34-53-0048	2144529	541091	4-61	6 305 14,955 4.72 706	9 10,580 4.86 514	5-69	41	714 -.04 29	43
34-57-0029	2380149	555123	7-66	2 305 15,660 4.25 666	14 11,520 4.84 558	11-69	34	534 -.08 17	28
34-57-0029	2414133	553667	7-67	1 305 12,560 5.06 635	12 10,860 4.86 528	8-69	35	367 .06 23	29
34-57-0029	2416235	553667	4-67	1 305 14,060 4.90 689	13 11,210 4.87 546	6-69	35	457 .05 26	33
34-57-0029	2438392	549588	8-67	1 305 15,460 4.98 770	13 11,990 4.81 577	12-69	35	457 .01 22	30
34-59-0002	2362952	562786	4-66	2 305 14,620 5.08 743	10 9,670 4.88 472	9-69	30	602 .06 34	44
34-59-0010	2397548	565512	2-67	1 305 15,740 4.57 720	8 9,950 4.93 491	11-69	19	553 -.04 22	33
34-62-0021	2135648	533172	4-61	4 301 13,617 4.99 680	13 11,360 4.81 546	1-70	33	402 .06 25	31
34-67-0001	2181180	475595	10-62	2 305 15,510 4.84 750	11 9,250 4.89 452	1-69	40	947 .04 48	64
34-67-0024	2338126	528424	8-64	3 305 12,173 4.74 577	11 9,490 4.66 442	5-69	42	487 .00 23	32
34-67-0024	2338127	475595	12-64	3 305 12,717 4.58 582	12 9,323 4.56 425	10-69	42	694 .02 34	46
34-67-0024	2365730	539742	10-65	3 302 11,087 4.62 512	14 9,507 4.47 425	4-70	41	335 .07 23	28
34-70-0037	2231187	475595	10-62	4 305 12,983 4.80 623	10 8,990 4.73 425	6-69	43	784 .04 41	54
34-70-0037	2375967	539742	1-66	2 305 12,785 5.04 644	5 10,475 4.80 503	3-70	39	406 .09 28	34
34-73-0003	1927941	505000	9-58	9 303 12,824 4.51 578	20 10,210 4.63 473	9-69	36	521 -.01 23	33
34-73-0008	2400435	539742	10-66	2 305 13,540 4.27 578	6 10,755 4.52 486	12-69	39	458 .02 23	31
34-73-0011	2206570	528424	3-63	4 305 11,523 5.09 586	10 8,813 4.80 423	9-69	43	498 .05 28	36
34-73-0062	2118287	432069	11-60	4 303 13,480 5.09 686	16 11,095 4.90 544	11-69	42	315 .10 25	29
34-73-0062	2122150	533859	3-61	7 305 14,014 4.83 677	13 11,325 4.75 538	1-70	35	445 .04 25	32
34-73-0062	2227334	558817	8-63	3 305 14,437 5.09 735	29 9,720 4.97 483	6-69	31	700 .06 39	51
34-73-0062	2259131	549588	1-64	1 305 14,990 4.17 625	16 10,560 4.56 482	4-69	35	520 -.07 17	28
34-73-0062	2289831	549588	2-65	2 305 14,885 4.62 687	14 11,335 4.54 515	4-70	39	548 -.01 24	34
34-73-0062	2336414	537680	5-65	3 251 13,100 4.86 637	25 11,153 4.65 519	1-70	41	504 .04 27	35
34-73-0067	2346001	566388	5-65	3 305 14,443 4.44 641	14 11,273 4.61 520	1-70	32	504 -.04 19	29
34-78-0046	2391595	501586	1-67	1 305 15,880 4.75 754	10 10,810 4.74 512	12-69	35	685 -.01 31	44
34-79-0058	2322021	543938	3-63	5 305 13,606 4.40 598	11 9,994 4.58 458	1-70	35	555 -.05 21	32
34-80-0015	1991919	475595	8-59	2 305 11,710 5.45 638	13 9,925 4.89 485	10-68	40	498 .10 33	40
34-80-0015	2014965	475595	12-59	7 304 11,499 5.38 619	14 9,844 4.91 483	8-69	44	509 .10 34	41
35-03-0034	1942565	480189	9-58	3 305 12,063 5.34 644	19 9,233 5.00 462	7-69	39	342 .07 23	28
35-03-0034	2314328	526592	12-63	4 304 12,775 5.15 658	34 9,670 4.89 473	12-69	41	375 .14 31	35
35-03-0051	2162958	543158	6-62	5 304 16,390 4.22 691	20 10,196 4.62 471	3-69	43	1,051 -.14 34	55
35-03-0158	2328800	511244	11-63	4 288 11,303 5.10 576	9 8,820 4.89 431	6-69	43	465 -.02 20	29
35-03-0348	2252077	505384	2-64	3 303 13,853 4.53 628	10 10,353 4.81 498	8-69	42	617 -.12 16	29
35-10-0068	1952223	474648	12-58	3 305 11,350 5.44 618	16 9,027 4.65 420	2-69	29	323 .13 28	32
35-13-0121	2237334	557034	7-63	3 304 12,697 4.38 556	22 9,143 4.74 433	9-69	31	561 -.05 21	32
35-13-0121	2420730	558133	8-67	1 305 11,190 5.13 574	27 8,690 4.72 410	9-69	25	380 .06 24	30
35-13-0319	2411756	533769	4-67	1 305 15,880 4.31 684	5 10,430 5.03 525	12-69	36	654 -.16 14	29
35-14-0229	2355988	511244	10-65	3 304 16,127 4.07 657	12 12,073 4.57 552	4-70	42	671 -.16 15	30
35-16-0018	2126846	514133	10-61	6 305 14,918 3.67 547	13 9,075 4.69 426	12-69	43	815 -.24 13	32
35-17-0057	2346919	564309	9-65	1 305 14,290 5.02 717	23 8,530 4.71 402	10-68	22	497 .05 28	36
35-17-0060	2098235	543158	4-61	6 305 13,633 4.53 617	22 10,338 4.73 489	10-69	43	671 -.09 22	36
35-17-0060	2302136	559485	7-64	4 305 15,275 4.62 706	24 10,355 4.81 498	2-70	40	641 -.01 29	41
35-17-0060	2394890	567054	8-66	2 305 15,145 4.69 710	28 10,630 4.70 500	1-70	37	591 .01 28	39
35-17-0224	2090286	505384	3-60	7 305 16,509 4.42 729	27 11,319 4.79 542	6-69	44	893 -.15 26	45
35-17-0224	2234800	543158	10-63	4 305 14,480 4.75 688	43 11,205 4.69 526	5-69	42	665 -.05 26	39
35-17-0224	2321343	562534	9-64	3 305 15,323 5.44 833	47 11,573 4.71 545	3-69	29	562 .17 43	50
35-17-0224	2396800	549235	10-66	1 305 16,090 4.36 701	53 11,450 4.52 518	2-69	36	695 -.14 18	33
35-20-0020	2228902	540160	11-63	3 305 14,510 4.65 675	13 10,233 4.50 460	5-69	39	514 .04 28	37
35-20-0020	2228906	555012	10-63	4 303 13,495 4.41 595	13 10,435 4.51 471	11-68	33	599 -.05 23	35
35-20-0071	2259545	505384	3-64	4 305 12,505 4.25 531	12 8,795 4.60 405	3-70	43	648 -.15 15	29
35-20-0112	2073025	536571	12-60	6 302 12,480 4.58 572	20 9,266 4.42 410	6-69	38	556 -.01 25	35
35-20-0112	2259462	555041	10-63	3 305 13,373 4.46 597	28 9,070 4.44 403	10-69	29	605 -.01 27	38
35-20-0112	2363569	565442	1-65	3 305 17,110 3.81 652	23 9,790 4.44 435	2-70	29	1,046 -.16 31	53
35-22-0035	2178585	551664	10-62	5 305 12,412 5.04 626	9 10,230 4.80 491	9-69	35	472 .04 26	34
35-22-0035	2178586	551664	10-62	4 303 14,025 4.47 627	8 10,077 4.76 480	8-69	34	713 -.06 27	41
35-22-0035	2215503	551664	3-63	4 304 13,482 4.20 566	5 9,760 4.91 479	4-69	34	676 -.13 18	32
35-22-0057	1763303	511121	9-56	8 301 13,986 4.29 600	6 10,348 4.77 494	9-69	36	581 -.10 17	29
35-22-0057	2204870	543158	3-62	4 305 14,478 4.21 609	6 11,413 4.75 542	7-69	42	641 -.15 14	28
35-28-0016	2218222	488786	7-63	4 305 14,682 5.08 746	19 9,615 5.12 492	5-69	42	721 .10 44	55
35-28-0016	2382216	567636	6-66	2 304 11,760 5.65 664	23 9,495 5.32 505	9-69	28	332 .09 24	29
35-28-0021	2346593	547253	11-65	3 303 11,476 5.22 599	14 9,043 4.93 446	12-69	39	300 .10 24	28
35-28-0060	2241511	543158	2-63	5 304 11,710 4.89 573	22 9,344 4.86 454	2-70	43	536 -.05 20	31
35-28-0097	2231416	556832	6-63	4 305 12,725 4.94 628	18 10,190 4.61 470	8-69	33	422 .06 26	33
35-28-0097	2234195	557497	10-63	3 221 12,536 4.55 570	19 9,590 4.44 426	3-70	29	419 .02 21	28
35-28-0103	2102554	455056	7-61	4 305 12,568 5.26 661	18 8,535 5.17 441	9-69	43	510 .06 30	38

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE NO. MILK (L8)	AVERAGES.. FAT FAT (%) (L8)	LAST T CALVD C MO-YR O	.....C O W MILK (L8)	I N D E X..... FAT FAT (%) (L8)	..... OOL- LARS
35-28-0103	2259110	501586	3-64	4 305 12,368 4.54 562	13 9,598	5.07 487	3-70	42	604	-.07 21 \$ 33
35-28-0103	2317612	511244	4-65	3 305 13,267 4.86 645	18 9,343	5.08 475	12-69	42	624	-.07 22 34
35-28-0122	2264181	558701	8-64	4 305 13,443 5.07 682	18 10,143	4.76 483	11-69	30	510	.07 31 39
35-28-0122	2353395	543158	1-66	2 305 13,085 4.08 534	15 9,135	4.85 443	5-69	39	650	-.16 14 28
35-28-0122	2354520	543158	1-66	2 297 12,990 4.79 622	13 9,090	4.84 440	6-69	39	645	-.06 24 37
35-28-0311	2282053	528754	11-64	2 305 14,880 4.48 667	14 10,160	4.53 460	3-69	40	839	.09 48 62
35-28-0311	2371435	563655	3-66	2 305 11,260 5.46 615	21 8,890	4.63 412	10-69	35	347	.12 28 32
35-28-0331	2251788	536533	1-60	4 305 12,633 4.82 609	17 9,748	4.71 459	5-69	30	441	.03 23 31
35-28-0331	2295069	541009	11-64	3 305 16,570 4.42 732	13 12,950	4.66 603	8-69	42	434	.01 21 29
35-29-0002	2209169	511244	2-63	5 305 13,790 4.40 607	9 9,892	4.86 481	11-69	44	676	-.12 19 33
35-30-0004	2094429	463153	5-61	3 305 12,760 4.67 596	15 10,113	4.87 493	8-69	41	606	-.04 24 36
35-30-0004	2196943	506243	3-63	5 305 12,472 4.83 602	12 9,610	4.83 464	9-69	44	536	.00 25 35
35-30-0017	2386477	553224	9-66	2 305 13,830 4.92 680	14 10,400	4.88 508	11-69	31	532	.00 25 35
35-30-0045	2167653	528350	8-61	4 299 11,790 4.80 566	18 8,810	4.86 428	7-69	33	458	.00 21 29
35-30-0054	2154955	548281	4-62	6 304 12,722 4.51 578	20 9,970	4.50 449	8-69	43	446	.00 21 29
35-30-0054	2199440	550436	3-63	4 305 12,910 5.01 647	19 11,280	4.42 499	10-69	33	310	.13 27 30
35-30-0153	2257225	529773	3-64	3 305 13,930 4.31 601	11 10,703	4.38 469	4-69	42	465	.03 25 33
35-30-0153	2315283	549235	5-65	3 301 14,550 3.78 550	10 10,717	4.39 470	11-69	42	759	-.21 13 30
35-30-0153	2316325	533769	10-64	3 305 13,996 5.26 736	19 11,993	4.61 553	5-69	42	477	.02 24 32
35-30-0153	2376538	562021	2-66	2 305 16,190 4.75 769	11 11,290	4.33 489	8-69	40	571	.08 35 44
35-32-0001	1986361	492616	1-60	3 305 11,690 4.05 474	15 8,687	4.51 392	11-68	41	643	-.15 14 28
35-32-0001	2064295	418022	5-60	4 305 12,488 5.04 629	6 9,210	4.57 421	9-69	43	565	.08 34 43
35-32-0010	2123377	541009	2-62	5 305 14,140 4.67 661	12 11,206	4.45 499	5-69	44	378	.07 25 31
35-32-0024	2233015	557631	6-63	4 305 12,883 4.83 622	17 10,680	4.68 500	2-70	32	420	.03 23 30
35-32-0024	2233022	543158	10-63	5 305 16,288 3.89 633	16 10,500	4.72 496	1-70	43	1,001	-.22 23 45
35-32-0024	2262822	557631	4-64	3 305 12,760 4.73 603	13 10,347	4.63 479	2-69	30	423	.02 22 29
35-32-0025	1893147	432935	3-56	3 305 17,223 4.67 804	30 13,320	4.82 642	2-70	40	491	.01 24 33
35-32-0025	2197143	496783	6-62	3 305 16,547 4.57 756	30 13,920	4.78 665	11-69	42	467	.00 22 30
35-32-0025	2317402	492616	5-65	2 305 17,695 4.23 749	27 13,525	4.87 659	3-69	38	786	-.20 16 34
35-32-0025	2317403	492616	5-65	3 302 15,517 4.70 730	26 13,573	4.86 659	2-70	41	575	-.10 16 28
35-32-0029	2106064	539358	1-61	3 301 11,777 4.64 546	20 9,203	4.67 430	9-69	32	443	.04 25 32
35-32-0029	2209905	511244	4-63	5 292 12,422 4.11 511	18 8,722	4.77 416	10-69	44	635	-.15 14 28
35-33-0300	2425017	567054	4-67	1 305 15,130 5.31 804	5 9,300	5.17 481	11-69	33	564	.05 31 40
35-35-0017	2155882	496783	5-62	4 303 13,358 4.58 612	18 11,153	4.62 515	1-70	44	403	.03 22 29
35-36-0013	2452251	550014	11-67	1 305 15,130 3.64 551	13 9,680	4.55 440	12-69	31	679	-.15 16 31
35-36-0090	2226615	540160	8-63	5 302 13,968 4.67 653	10 10,858	4.59 498	2-70	42	427	.03 23 30
35-42-0039	2002053	492616	10-59	4 296 13,535 4.49 608	14 11,285	4.74 535	3-69	42	598	-.12 15 28
35-42-0245	1941428	458421	10-58	5 305 14,038 4.74 665	8 11,304	4.72 533	11-69	36	446	-.01 20 28
35-42-0245	2119277	475595	8-61	2 305 15,060 4.32 651	7 12,385	4.56 565	2-69	40	614	-.01 27 38
35-42-0245	2337684	546331	8-65	3 305 15,847 4.42 700	8 13,450	4.71 633	3-70	42	509	-.03 21 31
35-45-0068	2264481	549235	8-63	4 305 12,423 4.49 558	8 9,785	4.49 439	1-70	44	626	-.11 18 31
35-45-0117	2200685	543853	8-62	5 305 13,932 4.03 561	21 10,124	4.72 478	3-69	43	651	-.12 18 32
35-45-0117	2360231	543853	1-66	2 305 11,760 5.52 649	13 10,090	4.79 483	2-70	39	333	.09 24 29
35-45-0117	2381466	543853	1-66	2 305 11,960 5.57 666	12 9,630	4.65 448	3-69	39	397	.11 29 34
35-46-0011	2397556	533769	9-66	2 305 13,510 4.60 622	5 9,715	4.48 435	3-70	40	614	-.07 21 33
35-48-0018	2169817	475595	9-62	3 305 15,160 4.24 643	13 11,453	4.70 538	4-69	42	755	-.05 30 44
35-48-0018	2307863	475595	11-64	2 305 13,955 4.26 594	9 11,400	4.61 526	5-69	40	591	-.02 25 36
35-48-0018	2353226	511244	9-65	3 304 14,027 5.16 724	14 11,567	4.79 554	12-69	42	479	.01 23 32
35-48-0022	2256447	541622	10-63	3 305 13,310 4.70 626	14 10,493	4.66 489	10-68	34	492	.00 23 32
35-48-0028	2267672	501586	2-64	4 305 12,530 4.46 559	18 9,950	4.70 468	11-69	42	584	-.04 23 34
35-48-0084	2219790	543819	7-63	4 305 12,400 4.39 544	22 8,527	4.80 409	7-69	37	634	-.04 25 37
35-49-0013	2379381	501586	5-66	2 305 11,990 4.58 549	11 9,900	4.72 467	9-69	39	490	-.03 20 29
35-50-0004	2118179	519235	12-61	7 305 14,579 5.08 740	18 11,249	4.69 528	2-70	42	331	.16 31 34
35-51-0006	2156568	552424	6-62	5 303 12,086 5.26 636	21 10,094	4.80 485	9-68	43	327	.10 25 29
35-51-0024	2073664	18026	9-60	5 304 11,756 5.04 592	8 8,754	4.81 421	10-68	43	520	.03 27 36
35-51-0024	2279657	549235	3-64	3 305 13,863 4.45 617	14 9,340	4.90 458	12-68	42	823	-.15 22 40
35-52-0044	2402037	543158	1-67	2 297 14,620 4.59 671	14 11,275	4.81 542	1-70	39	610	-.09 19 32
35-52-0079	2024117	418022	4-60	4 302 11,875 5.29 628	9 10,615	4.83 513	3-70	43	331	.09 24 29
35-53-0026	2294694	563331	8-64	4 305 16,102 3.58 576	12 10,945	4.50 492	11-69	35	868	-.25 14 34
35-53-0026	2294698	563331	10-64	3 305 12,933 4.59 593	7 10,443	4.38 457	11-69	33	455	-.01 20 28
35-53-0042	2204871	506916	4-62	5 305 15,562 4.07 634	14 10,960	4.60 504	3-69	43	671	-.13 18 32
35-53-0042	2267636	512974	8-64	3 305 14,473 4.48 648	13 10,383	4.53 470	8-69	42	543	-.06 19 30
35-55-0009	2187317	542524	1-63	5 305 11,730 5.20 610	9 9,626	4.54 437	5-69	36	343	.14 30 34
35-55-0010	2191109	549235	7-62	4 305 15,408 4.39 676	21 10,508	4.87 512	9-69	44	914	-.17 24 44
35-55-0010	2288635	529773	4-64	4 305 12,670 5.69 721	22 10,700	4.81 515	11-69	43	333	.21 36 39
35-55-0038	2279986	561259	11-64	2 305 15,270 3.92 598	16 10,220	4.77 487	1-70	25	647	-.15 15 29
35-56-0032	2142774	550192	12-61	5 304 13,646 5.09 695	15 11,650	4.72 550	2-69	35	395	.08 26 32
35-56-0032	2241547	509325	1-64	3 305 13,337 5.78 771	13 11,740	4.66 547	8-69	41	317	.26 41 42
35-56-0032	2401681	549235	10-66	2 305 17,055 3.54 603	20 12,005	4.71 565	12-69	40	853	-.30 8 29
35-56-0032	2440866	546331	9-67	1 305 14,960 4.61 690	21 13,080	4.37 572	1-70	35	372	.05 22 28
35-56-0144	2356739	528424	1-66	1 305 13,880 4.19 581	7 8,950	4.75 425	11-69	35	560	-.06 20 31
35-57-0087	2400747	562320	1-67	1 305 15,660 4.38 686	12 9,130	4.62 422	3-69	25	669	-.08 23 36
35-60-0079	2216042	554311	7-63	4 305 13,163 5.52 726	13 10,538	4.79 505	12-69	32	510	.13 37 44
35-62-0048	2247486	557676	1-64	4 289 11,965 4.79 573	26 9,552	4.64 443	2-70	35	477	.03 25 33
35-62-0057	2227642	557676	10-63	5 303 12,188 4.77 581	5 10,496	4.53 475	3-70	36	396	.05 23 29
35-62-0068	2251783	511244	9-63	5 305 14,834 4.33 643	12 11,632	4.46 519	1-70	44	608	-.09 19 32
35-63-0066	1800072	505000	9-56	9 301 12,238 4.95 606	11 10,164	4.79 487	3-70	36	439	.06 26 33
35-63-0066	2260020	475595	2-63	5 296 13,520 4.77 645	19 11,446	4.60 526	12-69	44	585	.05 32 42
35-63-0066	2297443	559485	5-64	3 305 13,993 5.05 707	17 10,953	4.65 509	1-70	39	376	.09 26 31
35-63-0066	2311677	539742	2-65	3 303 13,517 4.76 644	22 11,727	4.61 541	1-70	41	386	.08 26 32
35-68-0008	2133502	463153	3-61	3 305 12,933 4.70 608	12 9,803	4.78 469	10-68	41	659	-.03 28 40
35-68-0008	2304615	532564	1-64	3 305 12,933 4.53 586	7 10,510	4.42 465	5-69	37	444	.00 21 29
35-68-0050	2318187	562098	1-65	2 259 14,680 3.81 559	19 10,210	4.51 460	6-69	29	761	.16 19 36
35-68-0054	2248455	553394	8-63	4 305 13,632 5.12 698	20 11,507	4.68 538	2-70	35	311	.13 27 30
35-68-0083	2202461	506243	3-63	4 304 11,635 5.05 587	45 9,250	4.93 45				

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C D	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS	
35-68-0091	1983059	418022	8-59	2 305	13,095	4.81	630	11	8,710	4.90	427	9-68	40	610	.02	30	\$ 41
35-68-0115	2070554	455056	9-60	2 305	12,745	4.77	608	6	8,905	4.63	412	3-69	40	407	.03	22	29
35-68-0117	2280768	558133	5-64	3 305	11,673	4.76	556	12	8,940	4.93	441	10-68	33	504	.02	25	34
35-68-0117	2285729	558133	9-64	2 305	14,415	4.82	695	10	8,760	4.93	432	10-68	30	810	.02	40	54
35-68-0119	2076142	544724	9-60	3 300	12,957	4.58	593	22	9,877	4.49	443	6-69	29	443	.01	22	30
35-68-0119	2310633	560764	9-64	3 305	15,280	4.07	622	18	10,433	4.46	465	12-69	34	622	-.10	19	32
35-68-0120	2242501	543853	12-63	4 305	11,633	4.77	555	11	9,505	4.53	431	6-69	42	413	.03	22	29
35-68-0128	2259855	543853	1-64	3 300	12,460	4.40	548	8	9,807	4.52	443	1-69	41	462	-.02	19	28
35-68-0148	2214829	511244	5-63	5 304	13,862	4.31	598	17	10,326	4.65	480	11-69	44	634	-.11	18	31
35-68-0148	2375897	560248	5-66	2 299	14,025	4.72	662	21	10,520	4.69	493	11-69	37	485	-.03	19	28
35-68-0161	2113158	549588	10-61	4 288	12,512	4.82	603	42	10,300	4.69	483	1-70	8	441	.01	21	29
35-68-0161	2168257	543853	9-62	4 281	12,225	4.61	564	35	8,038	4.67	375	3-70	8	654	-.01	29	41
35-68-0161	2272659	488786	8-64	1 256	11,600	4.67	542	58	7,690	4.49	345	1-70	8	374	.10	27	32
35-68-0161	2369078	558237	6-66	1 48	12,420	4.00	497	25	7,730	4.61	356	4-70	8	632	-.12	17	31
35-68-0161	2371794	529641	9-66	1 272	14,370	4.77	685	60	7,510	4.47	336	12-69	8	651	.10	40	50
35-71-0037	2106057	539358	8-60	2 305	11,760	4.69	552	18	8,830	4.54	401	5-69	29	446	.07	28	35
35-71-0037	2231116	544431	5-63	4 305	12,887	4.78	616	30	9,000	4.62	416	9-69	33	584	.03	30	40
41-05-0006	2150971	496783	1-62	5 305	11,648	5.40	629	13	9,990	4.86	486	3-70	44	329	.13	28	32
41-05-0006	2150973	509325	4-62	5 305	12,336	5.12	631	15	9,374	4.82	452	11-69	43	487	.14	37	43
41-05-9042	1850560	459489	7-57	5 305	12,994	4.39	571	9	10,066	4.75	478	9-69	44	485	-.03	19	28
41-05-9042	2173470	509325	3-62	5 305	12,660	5.40	684	11	9,686	4.89	474	9-68	43	493	.18	41	47
41-07-9024	2124055	534742	12-60	6 301	13,260	4.22	560	6	9,836	4.76	468	5-69	36	647	-.12	18	32
41-10-0318	2236386	529773	9-63	3 305	12,887	4.54	585	10	9,460	4.67	442	7-69	42	474	.04	26	34
41-10-0335	2268255	475595	10-62	2 305	12,520	4.89	612	14	10,595	4.69	497	6-69	40	519	.06	30	38
41-10-9001	1976804	475548	12-59	8 305	11,193	4.48	502	14	8,626	4.66	402	9-69	44	451	.02	23	31
41-19-9222	1961015	475548	9-59	5 297	13,566	4.79	650	12	11,224	5.18	581	1-69	44	456	.00	21	29
41-19-9222	2150629	475595	7-62	3 300	14,460	6.08	879	15	12,307	4.97	612	2-69	42	584	.21	49	56
41-19-9222	2240736	505970	1-64	1 305	15,150	4.42	669	13	11,280	5.18	584	1-69	35	793	-.18	18	36
41-19-9222	2246115	505970	2-64	4 302	14,363	4.62	663	9	11,758	5.01	589	11-69	43	784	-.16	20	37
41-19-9222	2271365	505970	9-64	2 305	14,545	5.07	738	17	11,080	5.22	578	9-69	40	826	-.11	27	44
41-19-9222	2271366	505970	9-64	3 305	14,297	4.67	667	13	12,243	5.06	620	5-69	42	713	-.16	17	33
41-19-9222	2381969	491754	11-66	1 305	14,950	4.90	733	18	10,480	4.89	512	6-69	31	661	-.02	29	41
41-19-9222	2397792	491754	12-66	1 305	11,560	5.65	653	18	10,430	4.92	513	8-69	31	388	.04	22	28
41-19-9222	2397793	491754	12-66	1 305	13,870	5.10	708	18	10,430	4.92	513	8-69	31	577	.00	27	37
41-19-9222	2397796	491754	2-67	1 305	12,530	5.55	695	14	10,850	4.91	533	5-69	31	437	.04	24	31
41-19-9222	2454330	543158	2-68	1 305	15,740	3.90	614	7	11,170	4.37	488	3-70	35	624	-.14	15	29
41-22-9022	2251417	557202	3-64	4 304	13,010	4.77	620	14	10,533	4.83	509	2-70	33	426	.00	20	28
41-22-9022	2301949	564213	3-65	3 302	13,873	4.73	656	20	10,990	4.76	523	12-69	29	430	.00	20	28
41-24-0012	2023865	509325	10-59	7 305	11,921	4.97	593	11	10,034	4.67	469	3-69	43	355	.14	30	34
41-24-9009	2208928	512974	9-62	5 302	14,428	4.83	697	14	10,338	4.87	503	1-70	44	599	-.03	25	36
41-24-9009	2404296	569778	2-67	1 305	14,370	4.84	695	11	10,240	4.70	481	7-69	19	398	.03	21	28
41-24-9044	2227281	549235	9-63	3 305	15,107	3.53	533	11	7,183	4.97	357	4-69	42	1,189	-.30	23	50
41-24-9044	2321600	549235	3-65	2 305	11,790	4.49	529	13	7,235	5.07	367	11-68	40	754	-.15	19	35
41-31-9002	2317919	505970	1-65	3 305	19,593	3.58	702	14	12,360	4.77	589	10-69	42	1,318	-.34	24	54
41-31-9002	2337542	505970	8-65	2 305	14,755	4.11	607	21	11,540	4.71	543	3-69	40	806	-.20	17	35
41-31-9002	2355869	518026	1-66	3 301	15,253	4.77	727	17	12,023	4.57	550	4-70	41	548	.03	28	37
41-31-9002	2401963	491754	10-66	2 305	14,805	4.37	647	18	12,265	4.60	564	1-70	35	577	-.07	20	32
41-31-9002	2427743	491754	8-67	1 305	15,950	4.47	713	18	12,200	4.70	573	10-69	31	616	-.05	23	35
41-31-9002	2445150	491754	11-67	1 305	15,020	4.63	696	20	12,500	4.58	572	12-69	31	519	-.03	21	31
41-33-9054	2272714	555546	4-64	3 261	14,456	4.01	580	7	10,616	4.58	486	1-69	8	675	-.15	16	31
41-33-9054	2291769	555546	3-64	3 305	15,276	3.86	590	7	10,796	4.68	505	11-68	32	765	-.20	15	32
41-33-9054	2321932	563208	1-65	3 288	13,180	4.65	613	8	10,383	4.43	460	3-70	8	410	.03	22	29
41-33-9054	2331149	561516	3-65	3 305	13,260	4.60	610	9	9,943	4.66	463	8-69	29	477	-.01	21	30
41-33-9054	2335925	561516	5-65	3 234	15,110	4.50	680	11	11,067	4.34	480	2-70	8	597	.01	29	40
41-44-0011	2313320	533454	11-64	4 294	12,190	4.50	548	12	9,378	4.44	416	3-70	41	440	.01	21	29
41-45-9083	2132536	547708	9-61	7 299	11,647	4.95	576	8	9,291	4.73	439	12-69	35	421	.05	25	32
41-45-9083	2295652	547708	11-64	3 297	12,303	4.76	586	8	9,206	4.82	444	11-69	32	485	.00	23	32
41-49-9130	2211525	551993	7-61	2 257	12,765	4.90	626	10	9,745	4.42	431	4-70	25	384	.07	25	31
41-50-9053	2057917	509325	7-60	2 305	11,970	5.20	622	17	9,765	4.95	483	6-69	39	339	.13	29	33
41-55-0062	2132010	536701	11-61	5 305	12,658	4.93	624	8	9,776	4.99	488	1-69	35	422	.04	24	31
41-66-0062	2281916	554845	11-63	4 305	13,227	4.79	633	7	9,362	4.72	442	7-69	35	613	.02	30	41
41-66-0062	2404297	548128	2-67	1 305	13,400	4.66	624	13	10,310	4.61	475	11-69	33	523	.00	24	33
41-66-0141	2175419	511244	9-62	3 303	13,550	4.28	580	9	9,433	4.90	462	4-69	42	648	-.14	16	30
41-69-0069	2201920	503449	12-61	4 305	14,367	4.69	674	17	10,602	4.42	469	6-69	37	604	.03	31	41
41-69-0069	2204835	551156	10-62	5 305	13,102	4.57	599	22	10,934	4.48	490	8-69	38	379	.05	23	29
41-70-0179	2239374	543819	12-63	1 305	13,940	4.82	672	7	10,500	4.70	494	12-68	28	435	.03	23	30
41-73-9030	2108171	509325	5-61	2 305	15,085	5.24	791	10	10,840	4.57	495	3-70	39	561	.19	45	52
41-73-9030	2293058	556244	10-64	3 305	14,073	4.88	687	13	10,870	4.80	522	12-69	33	539	.04	29	38
41-73-9030	2375265	509325	4-66	2 305	12,880	4.94	636	13	11,165	4.77	533	12-69	39	303	.12	26	29
41-74-0066	2432159	548128	12-67	1 305	12,320	4.72	581	17	8,990	4.62	415	11-69	33	531	.00	25	35
41-74-0132	2256172	509325	12-62	5 300	12,202	4.70	574	6	9,290								

TABLE 2. GUERNSEY USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COV'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C O	.....C REPT (%)	O W MILK (L8)	I N D FAT (%)	E X FAT (L8)	..... OOL- LARS	
41-85-9167	2243407	550283	6-63	3 302	13,560	4.89	663	18	9,927	4.89	485	11-69	29	522	-.02	26	\$ 35
41-85-9167	2452340	546331	10-67	1 305	15,520	3.92	608	11	9,960	4.81	479	2-70	35	627	-.07	22	35
41-85-9170	2312420	560530	11-64	2 288	12,605	4.97	626	9	9,715	4.71	458	7-69	H 29	384	-.05	23	29
41-86-0122	2363617	546331	10-65	3 293	13,513	4.74	640	28	11,310	4.69	530	11-69	42	461	-.04	25	33
42-03-9135	2201306	551096	2-63	4 305	14,480	4.80	695	20	10,542	4.70	495	12-69	39	643	-.01	31	42
42-07-0035	2217164	506243	6-63	4 305	14,153	4.42	625	15	10,290	5.01	516	9-69	43	655	-.09	21	34
42-07-0035	2397596	546626	11-66	1 305	12,330	5.46	673	13	8,570	5.26	451	5-69	35	346	-.07	23	28
42-07-9034	2390123	546626	11-66	2 305	14,635	5.32	779	18	11,285	5.46	616	3-70	39	426	-.05	25	32
42-07-9034	2390125	567286	10-66	2 305	14,705	4.94	727	19	10,730	5.55	595	11-69	25	517	-.05	19	29
42-07-9034	2452613	548128	2-68	1 305	13,120	5.28	693	22	11,400	5.34	609	2-70	33	423	-.00	20	28
42-10-0006	2249614	533769	11-63	4 301	11,520	4.77	550	13	8,902	4.81	428	12-68	44	529	-.07	17	28
42-10-0006	2284654	533769	11-64	4 305	13,340	4.16	555	12	9,017	4.81	434	11-69	44	741	-.17	17	33
42-10-0087	2303164	522462	7-64	2 305	12,370	4.20	520	5	8,905	4.55	405	3-69	34	487	-.03	20	29
42-22-9043	1947215	528764	3-59	8 305	13,142	5.29	695	12	10,828	4.97	538	12-68	36	363	-.10	27	32
42-22-9053	2272515	529773	8-64	3 305	13,473	4.53	610	11	10,387	4.80	499	7-69	42	445	-.02	23	31
42-28-9157	2348583	496783	7-63	3 305	13,837	4.24	586	19	9,890	4.77	472	12-69	42	572	-.03	23	34
42-31-9072	2350704	533769	7-65	3 305	13,653	4.40	601	15	9,290	4.85	451	3-70	42	718	-.14	19	34
42-31-9072	2401617	533769	6-66	2 299	12,960	4.17	540	11	8,325	4.90	408	12-69	40	685	-.16	15	30
42-31-9080	2350638	565871	11-65	3 305	15,893	4.27	679	11	10,860	4.93	535	1-70	32	801	-.13	24	41
42-31-9080	2368853	565871	5-66	2 305	13,510	4.66	630	8	10,350	5.04	522	9-69	29	492	-.05	18	28
42-35-0102	2140378	543158	11-61	4 305	14,768	4.05	598	11	11,503	4.54	522	3-69	42	667	-.15	15	30
42-37-9002	2289245	475595	4-64	4 304	13,575	5.05	686	6	11,543	4.89	564	11-69	43	572	-.06	33	42
42-37-9002	2391430	546331	8-66	1 305	14,730	4.54	669	10	11,670	4.88	569	10-68	35	451	-.00	21	29
42-43-0003	2305483	496783	11-64	3 305	12,203	5.20	635	19	10,147	4.88	495	7-69	42	358	-.09	26	31
42-43-0003	2401426	567154	10-66	2 305	13,255	5.04	668	15	10,575	4.84	512	2-70	29	335	-.07	23	28
42-50-0001	2299675	496783	12-64	3 305	12,427	5.42	673	21	9,237	4.69	433	12-69	42	478	-.15	37	43
42-50-0001	2374475	561711	7-66	2 305	11,545	5.32	614	18	9,270	4.74	439	10-69	30	370	-.09	26	31
42-58-9003	2286764	558433	10-64	4 298	12,527	4.73	592	26	10,300	4.69	483	10-69	34	411	-.02	21	28
42-58-9003	2350902	568717	3-65	3 305	14,183	4.74	672	33	10,473	4.68	490	11-69	29	541	-.02	27	36
42-58-9003	2370474	558433	2-65	3 305	13,553	4.60	623	29	10,273	4.68	481	10-69	32	533	-.01	24	34
42-70-0049	2395411	548128	11-66	2 290	12,820	4.51	578	10	10,705	4.82	516	10-69	37	491	-.04	19	29
42-70-0049	2395412	548128	11-66	2 305	14,370	5.00	719	10	10,705	4.82	516	10-69	37	656	-.03	34	45
42-70-0049	2437785	548128	10-67	1 305	13,920	4.75	661	9	11,310	4.88	552	2-70	33	493	-.01	22	31
42-70-0049	2437787	548128	1-68	1 305	14,100	4.83	681	11	10,900	4.86	530	10-69	33	536	-.00	25	35
42-73-9008	2343852	562732	5-65	3 305	11,220	5.11	573	13	9,270	5.01	464	6-69	32	362	-.06	23	28
42-73-9008	2346656	562732	1-65	3 305	12,413	5.15	639	15	9,526	4.99	475	3-69	32	493	-.08	31	39
42-73-9008	2385214	533454	9-66	2 303	11,435	5.21	596	8	8,480	4.94	419	8-69	38	388	-.05	23	29
42-73-9008	2405234	548128	2-67	2 305	12,670	4.70	595	14	10,295	4.86	500	1-70	37	515	-.01	23	32
42-82-9016	2308115	558114	3-65	3 292	12,610	4.91	619	7	10,646	4.91	523	12-69	32	398	-.03	21	28
42-82-9016	2350903	558433	3-65	3 305	14,076	4.80	676	13	10,870	4.90	533	12-69	32	531	-.00	25	35
42-82-9016	2368581	558114	2-66	2 304	12,070	5.24	633	5	10,330	4.98	514	12-69	29	340	-.07	23	28
42-82-9016	2393998	558114	9-66	1 305	13,650	4.72	644	14	9,260	5.28	489	8-69	24	524	-.01	23	33
42-82-9016	2393999	558114	12-66	2 301	12,520	5.40	676	5	11,010	4.74	522	2-70	29	320	-.12	27	31
42-82-9059	2288189	529773	9-64	3 305	12,710	4.93	627	14	9,850	4.98	491	2-69	42	413	-.07	26	32
42-85-9017	1761757	482222	8-56	9 304	13,232	4.66	616	22	10,530	4.99	525	2-69	35	567	-.04	22	33
42-85-9017	2084079	546527	11-60	6 301	14,387	5.03	723	29	10,978	5.05	554	1-69	36	501	-.04	27	35
42-85-9017	2200131	557036	2-63	4 303	14,255	4.97	709	15	10,960	5.03	551	4-69	37	430	-.02	22	29
42-85-9017	2299798	549235	8-64	4 305	14,825	4.69	696	33	11,528	5.07	584	12-69	44	729	-.14	19	35
42-85-9017	2299802	549235	10-64	4 305	15,473	4.38	678	18	11,670	5.06	590	4-70	44	793	-.20	16	34
42-85-9017	2344742	528754	7-65	3 305	16,300	4.88	795	38	11,883	5.09	605	11-69	42	881	-.08	49	64
42-85-9017	2354662	539419	11-65	3 305	15,987	4.57	731	32	12,607	5.08	640	1-70	41	580	-.12	15	28
42-85-9017	2384824	547315	7-66	2 304	18,030	4.47	806	26	13,025	5.01	653	12-69	32	550	-.02	23	33
42-85-9017	2431967	546331	7-67	1 305	16,340	4.85	793	34	12,450	5.11	636	11-69	35	519	-.02	26	35
42-91-9002	2428996	548128	3-67	1 291	13,760	5.01	690	9	9,750	5.02	489	12-69	33	591	-.02	29	39
42-91-9038	2276316	540146	5-62	5 301	13,554	4.19	568	12	9,866	4.62	456	6-69	32	589	-.09	18	30
42-96-9069	2369503	551096	7-66	2 301	14,170	4.40	623	6	10,945	4.44	486	10-69	35	482	-.02	20	29
42-98-0015	2147797	550400	12-61	4 301	12,768	4.61	588	13	8,393	4.77	400	10-69	33	727	-.03	31	45
42-98-0015	2460014	553667	12-67	1 305	12,290	4.82	592	16	9,380	4.66	437	2-70	35	448	-.05	26	33
42-99-0064	2307231	533769	11-64	3 305	13,746	4.42	608	5	9,280	4.77	443	9-69	42	729	-.12	21	36
42-99-0064	2387963	549342	9-66	2 303	13,085	4.65	609	22	10,395	4.90	509	10-69	38	594	-.07	20	32
43-09-0004	2122720	538753	1-62	6 305	11,935	4.59	548	51	9,718	4.41	429	8-69	39	387	-.05	23	29
43-09-0004	2165032	543671	8-62	5 301	13,590	4.01	545	51	9,254	4.51	417	3-69	36	659	-.10	20	34
43-09-0004	2172464	553074	9-62	5 305	13,454	4.25	572	40	9,932	4.42	439	7-69	36	599	-.04	24	35
43-09-0004	2276449	545369	5-64	4 305	12,855	4.64	596	64	9,990	4.55	455	10-69	36	430	-.05	25	32
43-09-0004	2288913	553074	8-64	3 305	13,550	4.34	588	65	10,306	4.44	458	2-69	34	517	-.02	22	32
43-09-0004	2317671	515501	1-65	3 305	13,543	4.19	568	62	10,173	4.57	465	11-69	42	609	-.11	17	30
43-11-0015	2198120	545435	8-62	4 305	13,620	4.63	631	15	10,555	4.93	520	8-69	33	527	-.04	20	30
43-11-0015	2448638	533769	8-66	2 305	14,710	5.19	763	16	10,975	5.13	563	12-69	40	620	-.06	23	35
43-14-0009	2200799	550942	9-62	4 303	11,817	4.71	557	10	8,395	4.75	399	9-69	43	593	-.01	26	37
43-14-0009	2336490	539742	6-65	3 294	11,247	5.07	570	12	8,813	4.64	409	11-69	41	427	-.11	31	37
43-14-0038	2294																

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO.	AVERAGES.. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C DC O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8) OOL- LARS
43-33-0013	2374251	548765	11-64	2 305	14,360	4.45	639	15	9,415	4.84	456	1-69	31	716	-.07	26	\$ 40	
43-33-0013	2383207	548765	11-64	3 305	12,256	4.62	566	12	9,236	4.90	453	11-69	34	526	-.05	19	29	
43-33-0031	2360698	539742	10-65	3 305	11,900	5.07	603	21	9,257	4.58	424	11-69	41	457	-.12	33	39	
43-44-0004	2415055	548128	6-67	1 305	13,900	4.93	665	49	8,460	4.88	413	7-69	33	661	-.01	32	44	
43-46-9047	2340457	561478	7-65	3 305	13,743	4.66	641	20	10,816	4.66	504	12-69	32	449	-.01	22	30	
43-50-0002	2261506	559484	6-64	3 290	14,506	4.08	592	12	11,100	4.46	495	7-69	35	759	-.11	24	40	
43-50-0002	2289409	559484	8-64	4 287	13,585	4.14	562	18	9,640	4.52	436	11-69	37	840	-.10	28	45	
43-50-0002	2329500	559484	2-65	2 208	11,350	4.28	486	23	9,325	4.54	423	9-68	32	539	-.07	18	29	
43-50-0002	2329501	559484	3-65	3 295	18,253	3.91	714	20	9,796	4.56	447	10-69	35	1,399	-.17	46	74	
43-50-0002	2339339	559484	4-65	3 294	15,250	4.62	704	21	9,846	4.54	447	11-69	35	1,003	-.02	44	63	
43-50-0002	2343228	559474	6-65	2 289	17,995	4.20	755	32	11,855	4.35	516	10-68	25	805	-.06	31	47	
43-50-0002	2356137	546650	10-65	2 305	18,180	4.80	872	15	10,455	4.29	449	7-69	30	1,007	-.08	55	72	
43-50-0002	2361475	559484	7-64	4 303	16,032	4.61	739	17	10,897	4.43	483	2-70	37	1,023	-.00	47	66	
43-50-0002	2446006	548128	12-67	1 305	13,920	4.65	647	11	11,460	4.31	494	4-70	33	482	-.03	25	33	
43-51-0023	2384653	564976	1-67	1 305	13,540	4.56	617	16	8,280	4.87	403	7-69	19	487	-.03	20	29	
43-51-0026	2247469	550942	2-64	4 259	12,077	4.74	572	11	9,990	4.63	463	3-70	43	447	-.00	21	29	
43-58-0025	1835522	512893	7-57	6 305	11,555	4.48	518	11	8,210	4.59	377	7-69	37	525	-.03	21	31	
43-58-0046	2290919	523125	11-64	3 305	11,570	5.13	594	11	8,493	5.17	439	11-69	34	549	-.01	27	37	
43-58-0046	2290921	523125	11-64	3 305	11,176	4.76	532	10	8,356	5.15	430	9-69	34	514	-.05	19	29	
43-58-0046	2361151	523125	3-66	1 305	12,880	5.10	657	13	9,070	5.02	455	11-68	26	504	-.01	24	33	
43-58-0046	2367406	523125	1-66	1 305	12,380	4.93	610	12	8,330	5.14	428	11-69	26	519	-.02	22	32	
43-58-0046	2367411	523125	5-66	2 305	11,485	4.90	563	10	8,950	4.88	437	2-70	32	451	-.00	21	29	
43-58-0046	2370310	523125	4-65	3 302	12,026	4.33	521	9	8,643	4.78	413	3-70	34	591	-.07	20	32	
43-58-0049	1843386	523125	12-57	2 305	16,565	4.42	733	7	11,080	4.63	513	11-68	32	817	-.06	32	48	
43-58-0049	2275936	523125	5-64	2 305	15,205	4.36	663	5	10,385	4.81	500	3-69	32	732	-.08	26	41	
43-58-0049	2413922	560361	4-67	1 305	15,510	4.42	686	8	10,450	4.77	498	11-69	24	501	-.02	21	30	
43-77-0013	2368680	539742	3-66	1 305	15,350	4.51	692	13	9,740	4.32	421	3-69	35	598	-.06	34	44	
43-77-0013	2466339	565434	11-67	1 305	15,260	4.08	623	9	10,610	4.48	475	1-70	23	522	-.07	17	28	
43-83-9011	2087783	502177	2-61	4 305	12,658	4.61	584	23	10,190	4.97	506	1-70	39	624	-.09	20	33	
43-83-9011	2184309	555757	11-62	3 305	12,610	4.80	605	24	9,733	4.90	477	2-69	33	443	-.01	22	30	
43-83-9011	2361772	564776	11-65	2 305	15,145	4.90	742	30	10,665	4.87	519	5-69	29	624	-.06	35	45	
43-83-9011	2399336	564776	9-66	1 305	15,990	4.70	751	28	11,140	4.84	539	12-68	23	528	-.03	28	37	
43-83-9011	2444074	553667	9-67	1 305	13,990	5.34	747	31	11,680	5.19	606	1-70	35	420	-.06	26	32	
43-97-0069	2290996	549235	1-65	3 305	13,883	4.21	585	17	10,460	4.45	465	2-70	42	709	-.15	17	33	
43-97-0069	2344020	496783	9-65	3 305	16,973	4.21	715	19	10,247	4.44	455	1-70	42	896	-.02	39	56	
43-97-0069	2392213	566861	9-66	2 302	14,135	4.20	594	13	10,090	4.50	454	11-69	29	565	-.06	20	31	
43-97-0069	2392214	566861	10-66	2 305	14,190	4.18	593	11	10,680	4.42	472	1-70	29	508	-.05	18	28	
43-97-0069	2392215	549342	11-66	2 305	15,040	4.33	651	27	10,650	4.44	473	12-69	38	775	-.08	28	43	
43-97-0069	2392216	566861	8-66	2 295	13,775	4.17	574	13	10,200	4.47	456	11-69	29	510	-.06	18	28	
43-98-0032	2396151	548128	6-67	1 190	13,500	3.70	499	7	9,110	3.90	355	3-69	33	616	-.05	23	35	
43-98-0042	2386986	549342	6-66	2 302	11,790	4.28	505	7	9,100	4.41	401	3-70	38	581	-.08	19	31	
45-20-0016	2429491	551226	2-66	2 269	15,925	4.89	779	5	13,515	4.85	656	12-69	29	469	-.03	25	33	
45-20-0016	2429539	551226	3-67	1 305	19,050	5.10	971	5	13,070	4.88	638	12-69	23	713	-.07	40	52	
46-05-0118	2297381	496783	11-64	3 305	14,003	4.48	628	5	9,680	4.58	443	9-69	42	613	-.02	31	42	
46-29-9002	2280055	529773	8-64	3 303	12,593	5.07	639	9	10,113	4.58	463	8-69	42	371	-.13	30	35	
47-20-0006	2331220	549342	4-65	3 305	11,893	5.04	600	12	10,316	4.69	484	7-69	41	489	-.01	22	31	
47-20-0006	2356525	549342	1-66	3 305	14,096	4.71	664	16	10,930	4.72	516	3-70	41	685	-.05	27	40	
47-20-0065	1930826	531094	10-58	3 305	13,060	5.29	691	21	10,603	5.02	532	2-69	33	420	-.05	25	32	
47-20-0065	2025082	531094	5-60	3 305	14,590	4.86	709	28	10,283	5.08	522	11-68	33	664	-.03	28	40	
47-20-0065	2244651	549342	2-64	3 293	12,123	4.66	565	18	9,926	4.95	491	10-69	41	558	-.08	18	29	
47-20-0065	2297678	549342	8-64	4 305	15,990	3.94	630	23	10,487	5.09	534	1-70	42	998	-.23	22	44	
47-20-0065	2378890	567693	6-66	2 305	13,385	5.30	709	16	10,435	4.95	517	10-69	29	370	-.10	27	32	
47-27-0032	2410944	549342	9-66	1 305	12,020	4.78	575	15	8,200	4.96	407	1-69	34	609	-.06	22	34	
47-27-0032	2489160	548128	7-67	1 305	13,830	4.19	580	20	8,660	5.33	462	11-69	33	674	-.09	22	36	
47-28-0023	2246715	496783	9-63	4 304	12,473	5.24	654	16	9,758	4.91	479	3-69	44	449	-.10	31	37	
47-28-0023	2395819	547765	11-66	1 305	11,900	5.24	623	26	8,100	5.06	410	8-69	32	394	-.11	29	34	
47-28-9023	2324210	496783	1-65	1 305	14,210	4.60	654	21	9,870	5.05	498	11-68	36	452	-.01	22	30	
47-34-0007	2203751	511244	10-62	3 305	15,660	3.90	610	11	10,933	4.72	516	7-69	42	736	-.19	14	31	
47-34-0007	2295424	563299	10-64	4 261	17,540	4.53	795	15	11,357	4.62	525	1-70	35	1,022	-.01	49	67	
47-34-0007	2391602	511244	9-66	2 305	15,345	4.37	670	16	11,405	4.80	547	1-70	40	596	-.12	15	28	
47-34-0046	2383101	546626	9-66	2 305	12,555	5.15	647	29	9,435	4.91	463	10-69	39	383	-.08	26	32	
47-34-0046	2451825	552896	4-68	1 305	12,460	4.60	573	21	10,350	4.98	515	3-70	28	523	-.06	18	29	
47-80-0007	2298764	549235	6-64	3 305	12,000	4.70	564	24	8,957	5.05	452	10-69	42	648	-.14	16	30	
47-80-0007	2399914	549342	10-66	2 305	12,440	4.60	572	18	9,440	4.99	471	1-70	38	617	-.08	20	33	
48-10-0046	2298584	509325	10-64	3 301	11,547	4.70	543	12	9,077	4.48	407	7-69	41	388	-.11	29	34	
48-10-0046	2403444	501586	9-65	2 305	13,425	4.28	575	11	9,715	4.62	449	4-69	39	656	-.06	24	37	
48-10-0046	2410678	501586	7-65	3 305	12,327	4.49	553	10	9,633	4.65	448	1-70	41	575	-.04	23	34	
48-10-0046	2410835	501586	1-66	2 305	11,570	4.33	501	12	9,195	4.54	417	7-69	39	512	-.04	20	30	
48-14-9007	2402000	539742	10-66	1 305	12,810	4.79	614	21	8,400	4.81	404	6-69	35	496	-.07	30	38	
48-14-9007	2404533	539742	11-66	1 305	11,590	5.25	608	21	8,400	4.81	404	6-69	35	403	-.10	29	35	
48-14-9011	23																	

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	AVERAGE DAYS	PRODUCTION MILK (LBS)	FAT (%)	FAT (LBS)	HERDMATE NO.	AVERAGES MILK (LBS)	FAT (%)	FAT (LBS)	LAST CALVD MO-YR	T C	REPT O	COW MILK (LBS)	NO FAT (%)	EX FAT (LBS)	OO LARS
48-44-0170	2440297	552896	12-67	1	305	14,640	3.95	578	7	11,100	4.41	489	3-70	28		649	-.10	20	\$ 33
48-44-0170	2440302	552896	12-67	1	288	14,570	4.10	597	10	10,870	4.43	482	2-70	28		661	-.08	22	35
48-44-0171	2440597	557710	7-67	1	305	13,770	4.44	611	23	9,720	4.81	468	10-69	26		582	-.08	19	31
48-44-0172	2361913	550942	3-65	4	293	14,055	4.45	625	17	8,707	4.74	413	12-69	43		837	-.06	33	49
48-44-9016	2134005	547765	5-61	6	305	12,285	5.13	630	11	10,626	4.58	487	5-69	41		328	.15	30	33
48-44-9016	2331051	547765	11-63	4	303	14,807	4.63	685	10	10,767	4.49	483	5-69	40		631	.08	37	47
48-44-9016	2331054	547765	7-64	2	305	14,175	5.01	710	5	12,045	4.42	532	5-69	36		350	.15	31	35
48-44-9016	2356501	547765	2-64	4	305	13,350	4.52	603	11	11,260	4.65	524	3-70	40		383	.04	22	28
48-44-9016	2382579	547765	5-66	2	305	13,170	5.03	663	10	10,970	4.72	518	1-70	36		346	.11	27	31
48-44-9016	2385722	557710	9-66	1	301	16,510	4.11	679	9	10,400	4.69	488	9-69	26		767	-.12	23	39
48-77-0049	2298431	557665	11-63	3	305	12,220	4.62	564	18	8,090	5.06	409	1-70	32		605	-.04	24	36
48-77-0049	2298441	557665	10-64	2	305	11,475	5.12	587	23	7,680	5.12	393	11-68	29		500	.03	26	35
48-77-0049	2406551	568730	8-66	1	305	12,170	5.14	626	13	8,090	5.28	427	7-69	23		413	.03	22	29
48-77-9022	2089176	475595	2-61	7	302	12,017	4.18	502	7	9,677	4.87	471	10-69	44		597	-.08	20	32
48-79-0026	2243043	509325	2-63	4	301	12,125	4.81	583	14	8,898	4.80	427	6-69	42		501	.10	33	40
48-79-0026	2366680	553288	10-65	3	297	13,230	4.63	613	29	9,823	4.78	470	2-70	32		558	.00	26	36
48-82-0028	2391400	562910	8-65	2	298	11,960	5.18	619	16	8,395	5.60	470	11-68	29		481	-.02	20	29
48-99-9022	2298809	511244	7-63	4	303	14,888	3.51	523	12	10,005	4.69	469	8-69	43		779	-.26	9	28
50-10-0008	2319051	549235	1-65	3	300	14,320	4.80	687	12	10,633	5.00	532	1-69	42		741	-.12	22	37
50-10-0008	2450600	565566	3-68	1	305	16,540	4.99	825	5	9,880	5.05	499	3-70	22		713	.00	33	46
50-10-0083	2332420	534095	3-65	2	305	12,365	4.69	580	39	8,800	4.67	411	1-69	33		484	.01	23	32
50-10-0083	2383031	556020	5-66	2	305	12,890	4.53	584	58	8,925	4.66	416	12-69	40		454	.00	21	29
50-10-0083	2407745	556020	3-67	1	305	14,090	4.61	650	39	8,620	4.81	415	8-69	35		466	.00	22	30
51-02-0035	2183412	541052	7-62	6	303	13,361	4.49	600	33	10,658	4.57	487	3-70	36		486	-.03	20	29
51-02-0035	2229862	533094	7-63	4	303	13,835	4.45	616	31	10,487	4.69	492	12-69	35		502	-.04	19	29
51-02-0035	2258346	555198	2-64	4	302	12,980	4.61	599	44	10,815	4.56	493	2-70	34		424	.01	21	28
51-02-0035	2298590	560090	8-64	3	305	13,190	4.44	585	33	10,200	4.75	484	8-69	32		522	-.05	19	29
51-02-0035	2364071	560090	12-65	2	305	14,560	4.13	602	38	9,875	4.74	468	11-69	29		681	-.10	21	35
51-02-0035	2364072	560090	1-66	2	305	13,630	4.37	595	37	10,010	4.73	473	12-69	29		554	-.07	19	30
51-04-0031	2106104	548709	9-61	6	305	12,738	4.29	547	15	9,780	4.88	477	8-69	34		608	-.10	18	31
51-04-0031	2156521	548709	5-62	5	305	13,320	4.89	652	15	10,114	4.84	490	3-69	34		651	.02	32	43
51-04-0031	2203404	548709	11-62	3	296	12,243	4.91	601	19	9,153	4.98	456	10-68	31		581	.00	27	37
51-04-0031	2203407	548709	1-63	3	305	12,780	4.87	622	19	8,867	4.97	441	11-68	31		690	.00	32	44
51-04-0031	2422797	553667	7-67	1	305	13,850	5.10	707	22	8,260	5.10	421	10-69	35		644	.06	36	47
51-04-0031	2446448	553667	10-67	1	305	13,390	4.76	637	17	8,610	5.09	438	11-69	35		585	.02	29	39
51-04-0046	2249252	475595	11-63	3	305	11,997	4.53	543	7	9,673	4.75	459	3-69	42		573	-.01	26	36
51-04-0228	2202517	549235	3-63	5	303	13,432	3.92	526	6	8,670	4.63	401	12-69	44		896	-.21	19	39
51-04-9030	2326570	561127	3-65	4	304	14,155	4.51	639	9	11,320	4.75	538	3-70	34		495	-.05	18	28
51-04-9282	2353455	549235	8-65	3	305	12,430	4.42	549	31	8,893	4.94	439	2-70	42		704	-.16	16	32
51-04-9282	2420460	549235	12-66	2	297	13,980	3.87	541	24	9,945	4.72	469	2-70	40		729	-.22	11	28
51-05-0003	2380627	528424	4-66	2	305	11,440	4.27	489	11	8,000	4.84	387	1-70	40		516	-.06	18	28
51-05-0009	2181353	551055	3-62	4	304	11,295	5.23	591	15	9,370	5.07	475	11-68	32		350	.07	23	28
51-05-0009	2307636	518624	10-64	4	304	11,705	5.30	620	14	8,963	5.17	463	7-69	43		347	.11	27	31
51-05-0009	2425001	553667	10-67	1	297	12,480	5.14	642	14	11,060	4.67	517	1-70	35		347	.08	24	29
51-05-9001	2110309	499468	6-61	3	305	13,040	5.37	700	38	9,783	4.66	456	12-68	41		304	.14	28	31
51-05-9001	2294717	549235	12-64	3	305	11,650	5.03	586	42	9,860	4.69	462	1-70	42		514	-.06	18	28
51-05-9001	2317659	512974	3-65	3	305	14,150	4.25	602	48	9,273	4.74	440	11-69	42		621	-.12	17	30
51-05-9014	2283226	543827	6-64	4	305	12,507	4.57	572	27	9,287	4.76	442	12-69	35		499	-.04	19	29
51-06-0040	2296256	561139	6-64	4	305	13,718	4.76	653	18	10,848	4.95	537	2-70	30		455	-.02	19	28
51-07-0024	2379302	540888	11-66	1	305	12,120	5.02	608	23	8,700	4.62	402	3-69	34		400	.04	23	29
51-07-0039	2274546	459489	11-64	3	294	12,527	4.83	605	21	9,760	4.78	467	3-69	42		425	.03	23	30
51-07-0039	2291908	459489	12-64	4	305	12,025	4.91	591	20	9,698	4.75	461	3-70	44		391	.06	24	30
51-07-0039	2332619	529773	9-65	3	305	13,447	4.40	592	28	9,460	4.81	455	2-70	42		539	.00	25	35
51-07-0039	2420630	553667	8-67	1	305	11,610	4.57	530	33	8,340	4.86	405	10-69	35		468	.02	24	32
51-07-0041	2384238	540888	8-66	2	305	11,155	4.49	501	30	7,745	4.79	371	12-69	38		471	-.02	20	29
51-07-0166	2057840	543265	3-61	5	275	11,972	4.83	578	18	8,830	4.59	405	4-69	36		513	.05	29	37
51-09-0035	2313699	510634	10-64	3	305	12,980	4.86	631	22	10,313	4.63	478	12-69	42		407	.02	21	28
51-09-0074	2285991	510634	8-64	3	305	13,163	4.54	597	9	9,443	5.01	473	11-69	42		519	-.07	17	28
51-10-0016	1998304	518624	9-59	6	305	12,997	5.05	656	16	10,358	4.89	506	10-69	44		367	.10	27	32
51-10-0016	2307446	518624	10-64	3	305	13,380	5.15	689	27	10,717	4.98	534	8-69	42		337	.10	26	30
51-10-0016	2351887	563255	9-65	3	305	13,580	5.08	690	29	11,170	5.05	564	1-70	33		388	.04	22	28
51-10-0016	2404487	533769	12-66	2	305	14,790	4.96	733	26	11,290	5.04	569	1-70	40		600	-.08	20	32
51-10-9008	1918194	415353	7-58	9	305	12,013	5.28	634	71	9,121	5.11	466	12-68	43		389	.11	29	34
51-10-9008	2195776	475595	12-62	5	302	11,886	4.63	550	78	9,770	4.94	483	3-70	44		569	-.01	25	36
51-10-9008	2380139	567441	6-66	2	305	11,620	4.88	567	83	8,500	5.12	435	9-69	29		449	.00	21	29
51-10-9008	2396811	528424	10-66	2	305	12,915	4.74	612	99	9,675	5.05	489	1-70	40		512	-.03	21	31
51-10-9008	2397752	567441	10-66	1	305	14,040	4.76	668	84	9,640	4.91	473	2-69	24		492	.00	23	32
51-10-9008	2399175	567441	10-66	2	305	14,													

TABLE 2. GUERNSEY USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C REPT	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS
51-15-0101	2398512	528424	5-67	1 305 12,540	4.90	614	33 9,200	4.79	441	8-69	35	442	.01	22	\$ 30
51-15-9106	1881118	522586	4-58	4 305 12,875	5.27	679	12 11,025	4.66	514	9-69	30	303	.12	26	29
51-17-0005	2448564	553667	10-67	1 305 13,400	5.47	733	19 9,190	4.78	439	4-70	35	546	.11	37	45
51-17-0007	2312470	518624	8-64	2 305 11,630	5.42	630	41 7,885	4.84	382	9-68	40	378	.14	32	36
51-17-0007	2312475	558018	10-64	2 305 12,285	5.38	661	34 8,925	4.81	429	6-69	25	416	.10	29	35
51-17-0007	2379589	528424	12-66	1 305 13,440	4.90	658	32 9,310	4.74	441	6-69	35	503	.02	25	34
51-17-0007	2448516	528424	9-67	1 304 13,420	4.63	622	37 9,440	4.79	452	8-69	35	492	-.01	22	31
51-17-0072	1924680	415353	7-58	3 305 11,790	5.24	618	60 9,093	5.10	464	7-69	41	324	.10	25	29
51-17-0072	2348846	540888	8-65	3 305 11,853	5.23	620	63 9,453	4.96	469	2-70	41	412	.06	25	31
51-17-0072	2387222	540888	7-66	2 305 11,825	4.95	585	48 9,045	4.93	446	4-70	38	419	.03	22	29
51-17-0072	2401986	568169	11-66	2 305 13,115	5.13	673	47 10,040	4.90	492	3-70	33	420	.05	25	32
51-17-0072	2401995	540888	12-66	1 302 12,690	5.48	695	45 10,010	5.02	503	2-70	34	353	.07	23	28
51-17-9021	2117846	496783	10-61	4 305 13,393	4.80	643	17 10,598	4.87	516	12-68	44	469	.03	25	33
51-17-9021	2207306	496783	3-63	5 304 13,294	4.77	634	17 10,746	4.77	513	11-69	44	454	.04	25	33
51-17-9021	2433819	553667	8-67	1 302 14,680	4.65	683	18 12,040	4.82	580	11-69	35	448	.02	23	31
51-17-9021	2443549	553667	9-67	1 302 14,640	4.46	653	18 12,040	4.82	580	11-69	35	445	.00	21	29
52-04-0009	2059763	533429	7-60	5 304 12,426	4.84	601	25 10,092	4.45	449	1-70	36	342	.08	24	29
52-04-0010	2199099	597770	3-63	4 301 14,107	4.41	622	46 9,845	4.53	446	12-68	34	619	-.03	26	38
52-05-0002	2084423	524248	11-60	4 302 14,935	4.37	652	49 10,908	4.84	528	12-69	8 35	617	-.09	19	32
52-05-0002	2241587	559716	11-63	4 304 13,707	4.79	657	48 11,347	4.80	545	9-69	34	452	.01	22	30
52-05-0002	2314021	559716	12-64	2 302 13,795	5.04	695	49 11,385	4.74	540	9-69	29	401	.05	24	30
52-05-0002	2362713	559716	12-65	2 305 17,195	4.31	741	40 11,960	4.73	566	4-69	29	745	-.07	27	42
52-05-0002	2386500	511244	7-66	2 251 16,470	4.18	689	31 11,775	4.82	567	4-70	8 40	677	-.15	16	31
52-07-0025	2274928	556713	8-64	3 305 12,603	5.54	698	18 9,746	5.10	497	4-69	33	393	.12	30	35
52-07-0025	2274929	556713	9-64	3 305 13,953	4.57	637	17 9,563	5.07	485	11-69	33	596	-.05	23	35
52-07-0025	2309673	560240	4-64	3 305 13,433	4.55	611	30 10,676	4.83	516	12-68	33	573	-.05	21	32
52-07-0025	2354085	560240	5-65	3 305 16,290	3.84	625	33 11,050	4.94	546	11-69	33	910	-.22	19	39
52-07-0025	2459416	511244	12-66	2 214 17,205	3.84	660	24 10,975	4.79	526	11-69	40	825	-.21	16	35
52-07-0041	2101119	508307	5-61	6 304 14,460	4.75	687	14 10,418	4.88	508	2-70	36	654	-.02	28	40
52-07-0041	2181959	550183	8-62	5 302 14,920	5.03	750	20 10,124	5.03	509	8-69	36	728	.09	43	55
52-07-0041	2189670	551559	12-62	4 301 15,577	4.69	731	12 10,650	4.88	520	11-69	33	716	-.02	31	44
52-07-0041	2436015	559671	8-67	1 305 13,870	4.93	684	12 10,570	4.74	501	3-70	26	408	.02	21	28
52-09-0104	2291099	543406	9-64	3 305 12,300	4.74	583	7 8,473	4.83	409	11-69	33	605	.00	28	39
52-11-0009	2085987	543406	12-60	4 303 11,355	4.31	489	9 8,365	4.78	400	10-68	35	517	-.07	17	28
52-11-0014	2254708	557100	10-63	3 290 11,963	4.74	567	19 8,793	4.92	433	10-68	32	476	-.01	21	30
52-32-0008	2300055	557348	12-64	3 305 12,513	5.27	659	21 9,640	4.80	463	10-69	39	505	.09	33	40
52-37-6035	2418752	557348	10-65	2 305 13,950	5.13	716	26 10,775	4.83	520	11-69	37	513	.07	31	39
52-51-0001	2292225	526988	3-63	4 304 13,652	4.74	647	16 10,935	4.90	536	3-69	35	475	-.03	19	28
52-51-0001	2300712	554262	3-63	5 300 14,774	4.63	684	15 11,764	4.64	546	3-70	35	520	.02	26	35
52-51-0001	2392805	557542	4-65	3 305 17,916	4.44	795	15 10,946	4.70	515	5-69	32	1,174	-.02	52	74
52-51-0001	2392818	557542	9-65	2 305 14,440	4.72	682	16 10,850	4.74	514	6-69	29	667	.04	35	46
52-51-0001	2392823	557542	4-66	2 305 14,050	4.71	662	16 11,415	4.83	551	1-70	29	560	.02	28	38
52-51-0001	2392824	557542	5-66	2 305 13,990	6.03	844	12 10,885	4.92	535	12-69	29	610	.23	52	59
52-51-0001	2392826	557542	6-66	2 305 16,215	5.03	815	12 11,085	4.74	525	6-69	29	854	.09	49	63
52-51-0001	2392836	557542	8-66	2 305 12,270	4.77	585	10 10,220	5.05	516	12-69	29	476	.01	23	31
52-51-0001	2393905	557542	4-66	1 305 15,150	4.62	700	11 11,840	4.50	533	2-69	24	560	.05	31	40
52-51-0001	2393906	557542	9-66	2 305 12,910	4.45	575	11 10,205	5.02	512	9-69	29	554	-.04	22	33
52-51-0001	2418105	557542	3-67	1 305 14,450	5.07	733	9 12,570	4.53	569	3-69	24	438	.11	31	37
52-51-0001	2422197	557542	9-67	1 305 14,300	5.32	761	10 10,560	5.08	536	8-69	24	587	.09	36	45
52-51-0001	2422204	557542	7-67	1 305 14,090	4.93	694	10 10,560	5.08	536	8-69	24	568	.04	30	40
52-51-0001	2422207	557542	12-67	1 305 16,170	4.75	768	11 11,900	4.92	585	2-70	24	646	.02	32	43
52-59-0001	2078921	475595	12-60	4 305 16,710	4.43	740	26 11,643	4.62	538	11-68	43	951	-.01	43	60
52-59-0001	2234108	533769	9-63	3 305 13,580	4.32	586	46 10,153	4.63	470	12-68	42	620	-.13	15	29
52-59-0001	2249239	553356	2-64	3 305 13,270	4.85	644	46 10,380	4.60	477	2-69	37	533	.08	33	41
52-59-0001	2249917	512193	9-63	2 302 13,625	4.47	609	34 9,990	4.68	468	1-69	36	812	-.11	26	43
52-59-0001	2333320	561677	5-65	2 305 15,990	4.62	738	29 11,225	4.50	505	4-69	29	723	.02	36	49
52-59-0001	2333328	561677	7-65	2 305 12,475	4.53	565	37 9,100	4.68	426	10-68	29	529	-.01	24	34
52-59-0001	2333330	561677	7-65	2 305 11,775	4.93	581	25 9,270	4.68	434	10-69	29	425	.05	25	32
52-59-0001	2333344	561677	10-65	2 302 13,230	4.35	575	32 9,930	4.60	457	9-69	29	530	-.03	22	32
52-59-0001	2360182	561677	2-66	1 305 12,780	4.51	577	38 9,500	4.71	447	9-68	23	433	.00	20	28
52-59-0001	2360188	563160	4-66	1 305 18,490	3.68	680	38 11,640	4.68	545	2-69	22	709	-.16	16	32
52-59-0001	2381551	559109	8-66	2 305 13,520	4.73	639	27 10,475	4.68	490	1-70	31	466	.02	24	32
52-61-0007	2099510	521533	5-61	3 297 12,656	5.34	676	16 10,696	4.97	532	8-69	31	330	.11	26	30
52-61-0007	2297486	557348	9-64	2 305 13,570	4.50	611	17 10,860	4.87	529	10-69	37	464	-.03	19	28
52-61-0007	2421045	553667	6-67	1 305 16,870	4.31	727	32 12,160	4.61	561	1-70	35	607	.00	28	39
52-61-0007	2446413	557348	11-67	1 305 15,490	4.67	723	26 11,880	4.55	540	1-70	33	478	.03	25	33
52-61-0007	2461975	557348	4-68	1 289 15,910	4.96	789	20 12,500	4.43	554	3-70	33	467	.08	30	37
52-64-0023	2340301	557032	5-65	1 305 15,180	4.09	621	20 8,950	4.83	432	10-68	28	680	-.09	22	36
52-67-0004	2053983	544406	5-60	7 291 11,827	4.96	587	23 9,240	5.09	470	10-69	36	510	.01	25	34
52-67-0004	2122889	544406	11-60	6 302 11,643	4.85	565	14 9,580	5.00	479	7-69	36	436	.00	20	28
52-67-0004	2324801	557033	2-64	3 305 11,250	5.68	639	27 9,097	5.06	460	10-69	33	328	.13	28	32
52-67-0029	2328307	511244	9-65	1 305 16,500	4.48	740	28 11,410	4.75	542	9-69	33	585	-.10	17	29
52-70-0002	2218072	556971	7-63	4 303 12,210	4.52	552	38 9,440	4.86	459	12-69	35	537	-.05	20	31
52-70-0002	2266948	556971	1-64	4 303 11,720	5.03	589	38 9,695	4.85	470	1-70	33	432	.04	24	

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C MO-YR D	.....C O W MILK (L8)	I N D E X..... FAT (%) (L8)	FAT (%) (L8)	DOL- LARS	
52-76-0003	2327735	563672	5-65	3 305 16,283 4.27 696	132 10,240 4.64 475	2-70	32	939	-.09	34	\$ 53
52-76-0003	2327746	527802	5-65	3 304 16,256 3.81 619	139 10,483 4.66 489	1-70	39	814	-.20	17	35
52-76-0003	2340307	534882	8-65	1 305 16,570 4.56 755	139 11,410 4.43 506	2-69	29	570	.03	30	40
52-76-0003	2390275	560072	1-66	2 305 11,360 5.40 614	176 9,690 4.74 459	9-69	32	358	.11	28	33
52-76-0003	2390283	560072	3-66	2 305 12,565 4.81 604	109 10,375 4.70 488	4-70	32	426	.04	24	31
52-76-0003	2393049	559241	9-66	2 175 13,985 4.71 659	124 10,330 4.70 486	3-70	8 32	510	-.02	22	31
52-76-0003	2399237	511244	9-66	2 305 13,905 4.82 670	157 10,000 4.71 471	12-69	40	578	-.05	22	33
52-76-0003	2399255	559241	11-66	2 305 15,210 4.28 651	124 10,565 4.63 489	3-70	32	627	-.08	21	34
52-76-0003	2418866	511244	5-67	1 305 13,970 5.09 711	127 9,750 4.70 458	7-69	35	507	-.02	21	31
52-76-0003	2452921	570936	1-68	1 305 14,860 4.60 684	162 10,210 4.76 486	1-70	19	448	-.01	20	28
52-81-0037	2315511	549235	3-65	3 293 13,113 4.49 589	14 9,783 4.76 466	5-69	42	690	-.14	18	33
52-82-0001	2260030	559671	6-64	3 296 13,983 4.09 572	8 9,583 4.57 438	6-69	34	680	-.09	22	36
52-82-0015	2299525	559671	12-64	3 304 15,230 4.44 676	13 10,063 4.80 483	6-69	34	787	-.06	30	45
52-82-0015	2299526	559671	11-64	3 305 12,453 5.00 623	14 9,990 5.01 500	5-69	34	430	.01	21	29
52-82-0026	2139946	548052	1-62	5 305 15,470 4.79 741	13 10,196 4.92 502	3-69	40	790	-.05	31	46
52-87-0007	2292586	538347	11-62	3 291 12,953 4.99 647	29 10,226 4.88 499	5-69	34	493	.03	26	34
52-87-0007	2292604	538347	7-63	4 305 11,922 5.09 607	30 10,000 4.79 479	2-70	35	400	.05	24	30
52-87-0007	2292649	560072	3-65	1 305 14,660 4.41 646	27 10,440 4.87 508	12-68	26	550	-.01	24	34
52-87-0007	2444957	557032	8-67	1 305 14,570 5.17 753	24 10,240 4.60 471	3-70	28	530	.05	30	39
52-87-0008	1981490	538020	10-59	6 304 12,942 4.77 617	15 9,745 4.71 459	9-68	35	551	.01	27	37
52-87-0008	2336864	544991	7-65	3 305 14,787 4.76 704	20 9,727 4.79 466	1-70	42	647	.00	30	42
52-88-0030	2224460	475595	7-63	4 303 12,383 5.06 627	5 9,560 4.60 440	3-69	43	646	.10	40	50
52-88-0030	2224462	475595	8-63	4 298 11,418 4.98 569	5 9,708 4.60 447	5-69	43	509	.08	32	40
52-98-0004	2117744	546352	1-62	5 300 12,702 4.64 590	41 9,156 4.81 440	7-69	36	515	-.02	22	32
54-13-0005	1907134	473982	1-58	6 302 11,832 4.81 569	17 7,498 4.76 357	3-69	43	803	-.01	36	51
54-21-0011	2276414	496783	8-64	4 305 11,955 5.20 622	22 9,998 4.78 478	9-69	44	359	.10	27	32
54-21-0027	2221279	558391	7-63	5 304 14,352 4.47 642	21 10,666 4.69 500	11-69	42	528	-.03	21	31
55-16-0024	2220781	506243	8-63	3 305 13,240 4.28 567	6 10,260 4.42 454	3-69	42	524	-.04	20	30
55-22-0002	2378650	539742	1-66	2 305 13,470 4.40 593	39 11,080 4.55 504	2-69	39	420	.03	23	30
55-22-0002	2400077	556871	9-66	2 305 14,700 4.12 605	37 10,160 4.63 470	8-69	25	581	-.09	18	30
55-22-0002	2467827	567357	12-67	1 305 17,780 3.78 672	29 10,900 4.67 509	11-69	23	779	-.16	19	36
55-22-0014	2218983	550942	8-63	5 305 14,312 4.07 583	20 10,944 4.79 524	10-69	44	636	-.14	15	29
55-22-0014	2334269	539742	7-65	3 297 15,070 4.76 717	21 12,393 4.74 587	1-70	41	497	.07	30	38
55-22-0014	2334271	539742	8-65	2 305 13,775 5.09 701	15 11,435 4.73 541	7-69	39	419	.11	31	37
55-31-0003	1769843	500107	8-56	3 305 11,957 5.53 661	57 9,743 5.10 497	1-69	34	346	.10	26	31
55-31-0003	2091960	548718	5-61	5 303 13,560 4.83 655	63 10,140 4.93 500	1-70	32	550	.00	26	36
55-31-0003	2225966	500107	9-63	4 305 12,070 5.01 605	53 9,245 4.94 457	12-69	36	443	.03	24	31
55-31-0003	2225967	500107	9-63	4 305 12,363 4.97 614	61 9,273 4.97 461	12-69	36	480	.03	25	33
55-31-0003	2279268	549235	9-64	4 305 13,408 4.54 609	60 9,980 5.05 504	12-69	44	726	-.16	17	33
55-31-0003	2352496	533769	11-65	2 305 13,685 4.80 657	42 10,085 5.04 508	3-69	40	598	-.10	18	30
55-31-0003	2363107	549235	2-66	2 305 14,630 4.57 669	56 9,255 5.09 471	7-69	40	858	-.15	24	42
55-31-0003	2363108	549235	2-66	2 305 14,550 4.91 714	56 9,235 5.10 471	7-69	40	852	-.11	28	45
55-31-0003	2363111	533769	1-66	2 305 13,225 4.85 642	55 9,590 5.01 480	10-69	40	596	-.08	19	31
55-31-0003	2369813	549235	4-66	2 302 13,085 4.59 600	56 9,235 5.10 471	7-69	40	703	-.15	17	32
55-31-0003	2369817	533769	6-66	2 305 16,250 4.31 701	58 10,120 4.96 502	12-69	40	855	-.16	23	41
55-31-0003	2383073	533769	7-66	1 305 16,340 5.08 830	45 10,860 5.02 545	2-69	36	660	-.06	24	37
55-31-0003	2383075	533769	7-66	2 305 15,460 4.37 676	52 10,945 4.87 533	1-70	40	699	-.15	17	32
55-31-0003	2398883	533769	11-66	1 305 14,340 5.08 728	51 9,460 5.04 477	6-69	36	605	-.07	21	33
55-31-0010	2028218	538409	11-60	6 301 12,605 4.55 574	83 8,767 5.01 439	8-69	35	541	-.06	19	30
55-31-0010	2035707	535210	8-60	3 305 12,373 5.12 633	84 9,767 4.90 479	11-69	34	415	.08	27	33
55-31-0010	2104612	496783	4-61	5 305 11,996 5.35 642	61 10,000 4.87 487	12-68	44	373	.12	29	34
55-31-0010	2122885	544406	9-60	5 304 13,674 4.93 674	73 9,804 4.90 480	10-69	36	710	.03	36	48
55-31-0010	2141158	529773	3-62	4 303 12,643 4.82 610	91 9,938 4.93 490	1-70	43	415	.06	25	32
55-31-0010	2212462	534882	3-63	5 301 13,078 4.82 630	62 10,550 4.86 513	1-70	39	480	.03	25	33
55-31-0010	2233257	557102	10-63	4 302 13,278 4.58 608	88 9,198 4.97 457	9-69	32	694	-.04	28	41
55-31-0010	2266193	557102	2-64	4 300 12,158 5.20 632	80 9,788 4.94 484	4-70	32	448	.06	27	34
55-31-0010	2343322	540888	9-65	2 305 13,115 5.00 656	59 11,085 4.75 527	3-69	38	362	.05	22	28
55-31-0010	2393233	567885	9-66	2 305 13,995 4.47 626	71 10,920 4.79 523	12-69	28	489	-.05	18	28
55-31-0010	2398760	566263	10-66	1 305 15,410 4.65 717	66 9,190 4.83 444	7-69	19	587	-.01	26	37
55-31-0010	2414556	567885	3-67	1 305 13,880 4.95 687	83 9,340 4.86 454	8-69	22	518	.02	26	35
55-33-0034	1776206	495409	9-56	7 304 12,226 5.34 653	20 9,864 4.66 460	3-69	36	362	.12	29	33
55-33-0034	2257636	561120	4-64	3 305 13,733 5.09 699	33 9,956 4.65 463	1-69	34	524	.12	36	43
55-33-0034	2318204	565678	4-65	3 272 13,876 4.66 646	38 10,670 4.53 483	11-69	A 34	557	.06	32	41
55-33-0034	2381144	568823	6-66	2 299 14,090 4.69 661	32 9,850 4.55 448	7-69	28	600	.00	28	39
55-56-0025	2195535	463153	3-63	4 297 12,683 4.30 545	30 10,120 4.48 453	12-68	42	612	-.06	22	34
55-56-0025	2274023	557626	8-64	3 304 13,450 4.45 599	24 9,776 4.53 443	8-69	34	574	-.02	25	36
55-56-0025	2384858	501586	10-66	1 100 14,870 4.45 661	33 11,390 4.42 503	5-69	B 35	568	-.02	24	35
55-59-0032	2031729	530685	11-59	3 303 13,470 4.68 631	5 10,513 4.48 471	11-69	33	489	.04	27	35
55-67-0001	2249019	511244	8-63	4 305 12,865 4.58 589	30 9,490 4.81 456	8-69	43	585	-.08	19	31
55-67-0001	2418829	511244	11-66	1 305 14,160 4.51 638	54 8,940 4.78 427	11-69	35	577	-.09	18	30
55-74-0007	2234781	506243	10-63	3 305 13,590 4.25 578	10 10,427 4.38 457	5-69	42	548	-.04	21	32
55-79-0006	2168562	553447	8-62	1 305 16,840 4.63 779	17 11,420 4.66 532	4-70	31	600	-.07	21	33
55-79-0006	2251256	561120	1-64	4 305 13,915 4.61 642	22 11,322 4.46 505	11-69	36	411	.06	25	31
55-79-0029	2375707	501586	9-66	2 301 14,410 3.96 571	25 10,860 4.69 509	8-69	39	651	-.12	18	32
55-79-0060	2389304	539742	8-66	1 305 13,600 4.75 646	29 10,640 4.91 522	3-70	35	402	.05	24	30
55-79-0070	2288694	556836	9-64	3 299 11,886 4.74 563	5 9,136 4.59 419	5-69	32	405	.03	22	29
55-89-0004	2273225	562293	8-64	2 303 12,315 5.16 636	16 10,460 4.69 491	6-69	29	354	.09	25	30
55-89-0004	2274028	557688	10-64	4 305 18,112 4.19 758	12 11,757 4.73 556	2-70	37	973	-.13	31	51
55-89-0004	2379715	562293	7-66	1 305 17,160 4.47 767	21 10,580 4.62 489	11-68	24	731	-.01	33	46
55-89-0004	2381712	511244	11-66	1 305 16,750 3.90 654	12 10,420 4.74 494	5-69	35	672	-.17	14	29
55-89-0004	2388841	539742	8-66	1 305 16,920 4.19 709	24 12,160 4.75 578	12-69	35	552	-.01	25	35
55-89-0004	2388841	439742	8-66	1 305 18,560 3.91 725	25 10,930 4.63 506	11-68	19	737	-.12	22	37
55-91-6006	2217278	556786</									

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

CDW'S LAST HERO CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRDUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO.	AVERAGES.. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C O	.....C REPT (%)	D MILK (L8)	I FAT (%)	N FAT (L8)	E FAT (L8)	X..... OOL- LARS
56-05-0006	2371787	539742	5-66	2	300	13,295	4.49	597	42	10,290	4.66	479	10-69	39	476	.04	26	\$	34	
56-05-0010	1994625	527544	1-60	6	300	14,186	4.53	643	68	9,306	4.64	432	6-69	39	669	-.04	27		40	
56-05-0010	2181709	550942	10-62	3	305	13,136	4.37	574	84	9,506	4.63	440	1-70	42	608	-.06	22		34	
56-05-0010	2195590	554100	10-62	5	304	14,268	4.21	600	48	10,258	4.54	466	10-69	35	695	-.09	23		37	
56-05-0010	2199125	543210	3-63	2	305	16,600	4.19	695	58	10,775	4.52	487	10-68	34	648	-.05	25		38	
56-05-0010	2208900	553765	4-63	4	298	14,387	4.41	634	65	10,075	4.59	462	6-69	36	920	-.05	37		55	
56-05-0010	2208901	553765	4-63	4	305	16,055	4.38	704	51	10,320	4.57	472	9-69	36	1,123	-.07	45		66	
56-05-0010	2224435	553765	8-63	4	283	17,917	4.44	796	57	10,817	4.54	491	1-70	8	36	1,321	-.05	56		81
56-05-0010	2239924	556020	11-63	3	305	13,963	4.53	632	58	10,553	4.59	484	12-68	42	463	.01	22		30	
56-05-0010	2286670	546331	12-64	2	304	14,240	4.47	637	60	10,395	4.57	475	6-69	40	592	.01	29		39	
56-05-0010	2311696	553765	9-64	2	305	17,505	4.22	739	56	11,345	4.57	518	10-68	32	1,059	-.09	39		60	
56-05-0010	2318686	558289	12-64	3	305	16,696	4.25	709	54	10,596	4.59	486	3-70	33	886	-.09	32		50	
56-05-0010	2328714	528754	2-65	1	305	16,990	4.08	693	44	10,460	4.56	477	3-69	35	875	.03	44		59	
56-05-0010	2335193	550942	10-65	2	305	16,695	4.38	731	57	11,305	4.55	514	12-69	40	760	-.05	30		45	
56-05-0010	2433912	570997	7-67	1	305	13,900	4.55	633	55	10,350	4.58	474	10-69	24	508	-.03	21		31	
56-05-0010	2475409	553667	4-68	1	305	14,730	4.36	642	59	11,070	4.54	503	12-69	35	518	.01	25		34	
56-05-0011	1864337	475070	2-58	7	304	11,090	4.77	529	47	8,814	4.63	408	7-69	42	366	.05	22		28	
56-05-0011	2208903	553765	5-63	2	305	16,000	4.55	728	45	9,445	4.70	444	7-69	32	1,083	-.04	46		66	
56-05-0011	2216639	553765	8-63	5	300	11,938	4.25	507	52	9,976	4.65	464	3-70	37	594	-.09	18		30	
56-05-0011	2289693	553765	4-64	3	302	12,416	4.38	544	54	9,510	4.72	449	6-69	34	696	-.07	25		39	
56-05-0012	2063545	528754	5-59	7	302	11,437	4.94	565	23	9,326	4.73	441	12-69	44	599	.12	40		49	
56-05-0012	2311708	521086	11-64	2	305	13,515	4.48	606	47	8,250	4.73	390	8-69	34	640	-.06	24		37	
56-05-0012	2445471	570997	9-67	1	305	13,430	4.25	571	30	8,530	4.78	408	1-70	24	613	-.07	21		33	
56-05-0026	2237585	550942	11-63	3	305	13,586	4.44	603	48	10,630	4.60	489	12-68	42	543	-.04	21		32	
56-08-0016	1771374	491176	11-56	4	305	15,458	4.57	706	67	11,375	4.40	500	7-69	35	600	.01	29		40	
56-08-0016	2151009	520163	7-62	4	305	13,635	4.91	669	73	10,880	4.52	492	11-69	35	454	.05	26		33	
56-08-0016	2173275	520163	9-62	3	305	15,153	4.19	635	59	11,613	4.42	513	3-69	33	541	-.08	17		28	
56-08-0016	2282111	533769	8-64	3	305	13,713	4.31	591	62	10,513	4.57	480	6-69	42	598	-.12	15		28	
56-08-0016	2337871	563116	12-65	2	305	14,050	4.83	679	50	10,835	4.35	471	7-69	30	398	.08	26		32	
56-08-0016	2385813	544991	8-66	2	301	14,220	4.75	675	94	10,715	4.49	481	10-69	40	427	.02	22		29	
56-08-0016	2404711	563116	2-67	2	253	14,930	4.44	663	53	11,490	4.36	501	3-70	8	30	433	.01	21		29
56-08-0016	2409637	549235	2-67	1	305	17,180	3.89	669	62	10,730	4.43	475	5-69	36	825	-.19	18		36	
56-08-0016	2421435	553667	4-67	1	302	11,080	5.59	619	63	9,980	4.45	444	6-69	35	314	.14	28		31	
56-08-0016	2421449	539742	7-67	1	297	13,840	4.15	575	114	10,660	4.50	480	12-69	8	35	419	.02	21		28
56-08-0016	2421454	553667	8-67	1	301	12,040	4.93	593	88	10,220	4.49	459	11-69	35	371	.08	25		30	
56-08-0016	2421483	553667	10-67	1	305	13,680	5.21	713	88	10,220	4.49	459	11-69	35	496	.11	34		41	
56-08-0016	2421486	553667	11-67	1	239	13,710	4.43	607	75	10,990	4.41	485	2-70	8	35	446	.03	24		31
56-08-0016	2421492	553667	11-67	1	286	13,950	4.62	645	101	10,520	4.48	471	12-69	8	35	496	.05	28		36
56-08-0016	2424142	553667	10-67	1	304	13,700	4.94	677	88	10,220	4.49	459	11-69	35	498	.08	31		39	
56-08-0016	2454663	553667	1-68	1	250	13,230	4.41	584	90	10,990	4.45	489	1-70	8	35	409	.03	22		29
56-08-0016	2454664	553667	1-68	1	199	14,100	4.54	640	52	11,050	4.41	487	3-70	8	35	471	.04	26		34
56-08-0016	2454665	553667	1-68	1	187	13,860	4.38	607	37	11,490	4.38	503	4-70	8	35	423	.03	23		30
56-12-0014	2401490	558717	8-66	2	305	13,805	4.42	610	66	8,765	4.64	407	9-69	25	627	-.03	26		38	
56-12-0019	2365609	511244	10-65	2	297	14,220	4.63	658	19	10,735	4.67	501	1-69	40	543	-.07	18		29	
56-25-0018	2215139	550942	7-63	4	300	12,302	4.79	589	22	9,595	4.68	449	12-69	43	519	.00	24		33	
56-25-0018	2313778	565678	3-65	3	302	11,053	5.07	560	33	8,950	4.67	418	10-69	34	390	.10	28		33	
56-30-0028	2311479	564746	6-65	2	305	16,425	4.21	692	16	11,270	4.47	504	1-69	25	673	-.06	25		38	
56-30-0028	2358417	533769	7-66	1	305	16,300	4.42	721	11	10,450	4.67	488	7-69	36	684	-.12	19		34	
56-31-0015	2195534	463153	1-63	3	305	14,690	4.53	665	31	11,990	4.60	552	1-69	41	634	-.04	25		37	
56-31-0015	2261146	554100	11-63	4	300	14,345	4.59	658	38	10,522	4.60	484	9-69	34	647	-.02	28		40	
56-31-0015	2320999	554100	4-65	1	305	15,500	4.30	667	24	11,250	4.53	510	5-69	24	489	-.05	18		28	
56-32-0008	2336723	564319	8-65	2	305	11,935	4.47	534	17	8,925	4.71	420	7-69	29	491	-.04	19		29	
56-34-0018	2378275	533769	6-66	2	305	14,130	4.06	573	21	10,060	4.58	461	12-69	40	645	-.16	13		28	
56-36-0017	2088111	517080	9-60	4	305	14,375	4.62	664	47	10,890	4.76	518	10-69	43	455	-.02	19		28	
56-36-0017	2165563	517080	8-62	5	303	14,634	4.89	715	39	10,722	4.77	511	7-69	44	530	.03	28		37	
56-36-0017	2218277	536994	8-63	5	305	14,632	4.48	656	49	11,734	4.70	552	3-70	43	596	-.09	18		30	
56-36-0017	2252553	512193	2-64	4	305	14,537	4.95	719	46	11,352	4.80	545	1-70	40	831	-.04	34		50	
56-36-0018	2273037	549235	12-62	3	305	16,030	4.54	728	21	9,307	4.62	430	3-69	42	1,075	-.12	37		59	
56-36-0021	2215970	511244	12-62	3	305	12,243	5.02	615	32	9,530	4.80	457	9-68	42	485	-.02	20		29	
56-36-0029	2320505	551938	10-61	3	305	12,547	4.59	576	17	8,773	4.70	412	12-68	29	526	-.01	23		33	
56-37-0007	2366631	533769	1-66	2	305	12,395	4.75	589	6	9,285	4.65	432	5-69	40	540	-.07	18		29	
56-38-0007	2111484	523698	10-61	6	302	12,202	4.70	573	28	8,487	4.80	407	11-69	36	496	-.01	22		31	
56-38-0007	2448135	572109	12-67	1	305	18,880	4.72	891	40	13,600	4.86	661	12-69	19	540	-.01	24		34	
56-38-0027	2187867	489690	10-62	4	305	13,635	4.82	657	24	9,293	4.65	432	10-69	44	550	-.01	24		34	
56-38-0028	2091507	511515	2-61	4	302	14,948	4.14	619	64	9,710	4.40	427	7-69	42	823	-.15	23		40	
56-38-0028	2283839	549235	7-64	2	302	17,285	3.92	678	33	9,490	4.26	404	8-69	40	1,106	-.19	31		54	
56-38-0039	2218360	533769	9-63	5	300	13,298	4.26	567	42	10,298	4.5									

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	OAYS	MILK (L8)	FAT (%)	FAT (L8)	HEROMATE NO.	MILK (L8)	FAT (%)	FAT (L8)	LAST CALV MO-YR	T C O	.....C O W MILK (L8)	I N O FAT (%)	E X... FAT (L8)	..... OOL- LARS
56-41-0023	2383657	533769	6-66	2	305	13,835	4.08	564	16	9,530	4.42	421	3-70	40	664	-.14	16	\$ 31
56-41-0027	2231222	511244	12-63	4	297	12,448	3.95	492	28	8,560	4.35	372	8-69	43	637	-.13	16	30
56-41-0027	2344558	511244	8-65	1	305	14,430	4.62	667	28	9,650	4.27	412	1-70	35	549	-.04	21	32
56-42-0010	2336935	539742	10-65	2	305	13,490	4.39	592	15	10,110	4.49	454	4-69	39	513	.04	28	37
56-42-0010	2338975	539742	12-65	2	305	12,765	4.29	547	13	9,450	4.32	408	8-69	39	499	.04	27	35
56-42-0010	2393465	539742	1-67	2	299	12,335	4.69	579	14	10,520	4.38	461	3-70	39	355	.10	26	31
56-42-0010	2393466	539742	1-67	2	305	11,975	4.62	553	12	10,195	4.41	450	3-70	39	348	.08	24	29
56-42-0010	2421566	539742	11-67	1	305	12,750	4.49	572	9	10,080	4.39	443	2-70	35	376	.07	24	30
56-42-0037	2171802	523866	1-62	5	305	11,940	4.51	539	43	8,698	4.38	381	8-69	38	554	.02	28	38
56-42-0037	2173375	511244	9-62	3	279	12,493	4.43	554	46	9,420	4.51	425	11-69	42	526	-.07	17	28
56-42-0037	2176886	523866	1-62	3	305	14,703	4.52	664	48	8,590	4.42	380	11-69	36	879	.01	42	58
56-42-0037	2279364	511244	10-64	3	305	12,943	4.13	534	38	9,153	4.34	397	6-69	42	606	-.11	17	30
56-42-0037	2326941	511244	6-65	3	298	14,810	4.36	646	40	9,410	4.47	421	12-69	42	797	-.09	28	44
56-44-0006	2225101	511244	11-62	3	305	16,313	4.21	687	17	10,497	4.47	469	1-69	42	858	-.12	27	45
56-44-0006	2281629	553624	1-64	4	305	12,447	4.84	603	9	9,725	4.53	441	9-69	35	413	.05	24	31
56-44-0007	2246969	528198	8-63	2	305	12,185	5.03	613	15	9,015	4.60	415	9-68	32	362	.11	28	33
56-46-0036	2214509	497410	2-62	4	305	12,760	4.30	549	29	9,058	4.44	402	4-69	41	471	-.01	21	30
56-46-0036	2215972	511244	1-63	3	305	13,693	4.40	603	30	9,207	4.47	412	1-69	42	688	-.08	24	38
56-46-0036	2448690	539742	12-66	1	305	15,330	3.97	609	26	8,790	4.49	395	12-68	35	662	-.01	30	42
57-10-0504	2360021	539419	5-66	2	305	13,720	4.54	623	18	8,960	4.64	416	1-70	39	641	-.07	23	36
57-10-0504	2378089	552443	10-65	2	305	13,920	4.30	599	5	9,660	4.73	457	3-69	32	568	-.06	20	31
57-15-0502	2420788	546626	2-67	1	305	12,480	5.03	628	18	7,930	4.83	383	3-69	35	401	.06	25	31
57-16-0007	2197689	506243	9-63	4	303	12,078	5.27	636	32	10,123	4.69	475	12-68	43	415	.08	27	33
57-16-0007	2242525	558290	10-63	3	305	13,360	4.45	595	33	9,913	4.70	466	11-68	32	501	-.02	21	30
57-16-0007	2242527	557001	11-63	4	296	12,653	4.94	625	37	9,965	4.69	467	1-70 H	30	414	.06	25	31
57-49-0001	2104144	545135	5-61	7	301	12,632	4.39	554	30	9,501	4.46	424	1-70	36	522	-.03	21	31
57-53-0504	2389003	553764	4-66	2	292	16,295	4.30	701	14	12,665	4.64	588	12-69	30	695	-.08	24	38
57-53-0515	2261317	528754	3-64	4	302	13,500	4.63	625	23	11,563	4.80	555	10-69	43	598	.07	35	45
57-53-0515	2318138	555391	11-64	3	305	13,543	4.88	661	10	12,260	4.64	569	3-69	35	399	.03	22	29
57-53-0515	2322662	528754	8-65	2	305	16,145	4.95	799	24	12,965	4.91	636	11-68	40	710	.12	45	56
57-53-0515	2358182	528754	4-66	1	305	17,740	4.45	790	23	12,470	4.83	602	12-69	35	795	.06	43	56
57-53-0515	2372982	528754	12-65	2	305	12,775	5.52	705	20	11,300	4.92	556	7-69	40	519	.19	43	49
57-53-0515	2377299	528754	10-66	1	305	14,640	4.95	724	24	11,020	5.02	553	7-69	35	659	.10	41	51
57-53-0515	2404256	549235	12-66	2	305	19,010	3.92	745	16	13,340	4.78	637	4-70	40	929	-.26	16	37
57-53-0515	2405203	528754	4-67	1	305	13,650	4.77	651	32	11,820	4.97	587	10-69	35	530	.09	34	42
57-53-0515	2411833	539742	12-66	1	305	14,700	4.71	693	33	11,710	5.03	589	9-69	35	413	.04	23	30
57-53-0515	2445212	528754	10-67	1	305	14,320	4.94	708	32	11,820	4.97	587	10-69	35	581	.11	38	47
57-53-0522	2187870	501586	12-62	3	305	12,010	4.94	593	7	10,027	4.42	443	6-69	41	497	.05	28	36
57-53-0526	2222943	553356	9-63	5	303	12,426	5.26	653	32	9,850	4.86	479	12-69	40	518	.12	36	43
57-53-0526	2240923	550942	11-63	4	299	12,165	5.02	611	30	9,502	4.78	454	10-69	43	513	.02	26	35
57-53-0526	2379263	567870	11-65	2	296	15,125	4.19	634	22	10,290	4.68	482	4-69	25	620	-.09	20	33
57-53-0526	2390148	501586	9-64	3	305	12,813	4.43	567	37	9,987	4.81	480	1-69	41	595	-.06	21	33
57-53-0531	2279716	538347	10-64	1	305	15,220	4.69	714	12	11,320	4.87	551	9-69	26	495	-.02	21	30
57-53-0531	2348490	539742	10-65	3	303	14,213	4.62	657	6	12,403	4.56	566	12-69	41	396	.07	25	31
57-53-0531	2390269	557032	1-66	2	305	16,200	4.56	738	8	12,130	4.78	580	2-70	33	641	-.04	26	38
57-57-0026	1861084	518090	12-57	8	300	12,593	4.87	613	29	9,656	4.57	441	6-69	40	459	.05	26	33
57-57-0026	2239799	556020	9-63	4	305	13,160	4.99	657	32	9,803	4.51	442	1-70	43	474	.09	31	38
57-57-0026	2405819	537680	3-66	2	305	12,710	4.08	519	36	9,925	4.38	435	12-69	38	559	-.05	21	32
57-57-0026	2493259	546626	8-67	1	305	17,510	4.66	816	30	9,890	4.37	432	5-69	35	651	.06	36	47
57-64-0003	2192484	552197	1-63	5	305	13,590	4.98	677	109	10,224	4.76	487	3-70	35	620	.04	33	43
57-64-0003	2200186	496783	2-63	3	305	13,807	4.45	615	135	10,297	4.70	484	2-70	42	527	.01	25	34
57-64-0003	2215558	511244	5-63	4	300	13,880	5.07	704	85	10,440	4.68	489	4-69	43	605	.01	29	40
57-64-0003	2225569	511244	8-63	4	305	14,868	4.12	612	113	10,188	4.77	486	8-69	43	756	-.16	18	35
57-64-0003	2223577	556637	9-63	4	303	12,042	4.78	576	127	10,137	4.76	483	8-69	35	399	.02	21	28
57-64-0003	2233303	556637	10-63	4	305	12,992	4.77	620	136	10,025	4.69	470	1-70	35	547	.04	29	38
57-64-0003	2284736	550942	10-64	3	304	13,190	4.68	617	131	10,266	4.58	470	9-69	42	535	-.01	24	34
57-64-0003	2309638	556637	12-64	2	305	12,960	4.92	637	88	10,260	4.62	474	2-69	31	455	.06	27	34
57-64-0003	2333501	556637	10-65	2	305	13,785	4.44	612	103	10,995	4.63	509	1-69	31	474	-.01	21	30
57-64-0003	2340227	533769	11-65	3	300	15,430	4.50	694	132	10,796	4.69	506	1-70	42	766	-.11	24	40
57-64-0003	2341519	555217	7-65	2	305	13,965	5.11	713	115	10,265	4.69	481	3-69	36	533	.09	34	42
57-64-0003	2341521	546331	7-65	2	305	12,430	4.33	538	138	9,780	4.82	471	11-68	40	464	-.03	19	28
57-64-0003	2345558	546331	8-65	3	305	14,090	4.51	635	127	10,490	4.73	496	3-70	42	615	-.01	28	39
57-64-0003	2345559	546331	9-65	2	305	13,555	4.67	633	119	10,335	4.69	485	2-69	40	527	.03	27	36
57-64-0003	2345562	528754	11-65	2	305	12,650	4.78	605	184	10,370	4.80	498	8-69	40	592	.10	38	47
57-64-0003	2364841	555217	5-66	2	302	13,170	5.00	658	190	10,360	4.79	496	9-69	36	438	.06	26	33
57-64-0003	2375477	539742	9-66	1	305	14,650	4.25	622	101	11,590	4.56	528	2-69	35	417	.03	22	29
57-64-0003	2384080	556020	5-66	1	305	17,250	4.05	699	150	10,560	4.74	501	11-68	35	572	-.06	20	31
57-64-0003	2398072	561873	9-66	1	305	14,250	4.70	670	192	10,860	4.73	514	8-69	33	533	.01	26	35
57-64-0003	2398093	556637	12-66	1	305	15,450	4.94	764	177	10,800	4.72	510						

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVD C REPT MO-YR D	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS			
58-05-0006	2284212	556896	10-64	3 305	15,163	4.44	673	89	11,750	4.14	486	1-70	32	546	.05	30	\$ 39
58-05-0006	2286665	533769	10-64	4 282	15,237	4.04	616	59	11,605	4.32	501	2-70	44	688	-.14	17	32
58-05-0006	2349221	540888	11-65	2 304	15,495	4.58	710	93	11,340	4.14	469	9-69	38	586	.06	33	43
58-05-0006	2394671	556896	10-66	1 305	15,610	4.59	716	111	11,920	4.11	490	11-69	23	413	.06	25	31
58-05-0039	2286673	533769	12-64	3 305	16,586	4.38	727	34	11,446	4.57	523	12-69	42	832	-.12	26	43
58-07-0006	1777223	507000	8-56	8 304	11,566	5.16	597	67	9,000	4.34	391	1-69	36	349	.15	31	35
58-07-0006	1843103	467477	7-57	8 295	12,762	4.52	577	54	9,472	4.30	407	1-70	36	459	.02	23	31
58-07-0006	2121585	512974	11-61	4 305	14,113	4.00	565	72	9,635	4.29	413	7-69	44	616	-.11	17	30
58-07-0006	2255146	548863	9-63	4 305	14,107	4.15	585	64	9,757	4.29	419	10-69	34	596	-.07	21	33
58-07-0006	2378499	533769	10-65	2 305	14,985	4.02	602	47	10,270	4.27	439	1-70	40	713	-.15	18	33
58-12-0007	2237518	512193	12-63	1 305	14,230	4.28	609	46	7,330	4.37	320	8-69	31	983	-.12	33	53
58-12-0017	2214032	527802	3-62	4 305	13,932	4.60	641	44	10,590	4.70	498	10-68	40	546	-.05	20	31
61-24-0018	2256191	537680	4-64	3 305	14,127	5.20	734	15	10,500	4.74	498	3-69	41	696	.08	41	52
61-24-0018	2299757	537680	2-65	3 305	11,150	4.88	544	8	9,947	4.78	475	2-70	41	402	.02	21	28
61-24-0018	2372564	537680	5-66	1 305	11,500	4.69	539	10	9,340	4.87	455	10-68	34	447	-.01	20	28
61-24-0018	2378294	537680	11-66	1 247	12,030	4.66	561	11	10,700	4.42	473	2-69	8 34	394	.03	21	28
61-24-0018	2409163	537680	12-66	1 305	12,940	4.61	597	14	10,800	4.56	492	1-69	34	457	.01	22	30
61-24-0018	2420149	537680	6-67	1 295	12,060	5.40	651	14	10,610	4.84	513	10-69	34	402	.06	25	31
61-24-0144	2168092	528424	8-62	4 297	12,518	5.18	648	9	10,063	4.93	496	11-69	H 43	482	.05	27	35
61-25-0003	2057166	543616	12-60	7 305	13,213	4.99	659	29	10,241	4.60	471	9-69	36	484	.09	32	39
61-25-0003	2249504	537680	2-64	4 305	11,078	5.25	582	31	9,795	4.68	458	11-69	42	415	.09	28	34
61-25-0003	2274184	537680	7-64	4 305	12,770	5.02	641	32	10,075	4.70	474	11-69	42	598	.06	34	44
61-25-0003	2274962	537680	7-64	4 305	13,470	4.42	596	31	10,215	4.72	482	11-69	42	671	-.04	27	40
61-25-0003	2292544	549235	11-64	3 305	12,180	4.70	572	25	9,820	4.67	459	7-69	42	579	-.11	16	28
61-27-0006	2336530	558583	7-65	2 304	14,225	4.56	649	7	10,640	4.80	511	10-69	30	503	-.01	22	31
61-27-0025	2468227	558583	2-67	1 305	14,440	4.38	632	7	10,480	4.36	457	1-70	25	431	.01	21	29
61-30-0004	2167660	505384	8-62	1 305	18,950	4.74	898	13	10,480	4.79	502	2-69	35	867	-.09	31	48
61-30-0004	2258481	554509	12-63	3 305	13,263	5.60	743	9	9,203	5.12	471	7-69	29	573	.12	39	47
61-30-0004	2271396	549235	9-64	2 305	20,350	4.52	919	10	11,430	4.86	556	1-70	40	1,240	-.15	41	66
61-30-0004	2410315	546331	6-67	1 305	18,410	4.20	773	11	13,770	4.44	611	3-70	35	586	-.01	26	37
61-30-0032	2150074	540170	10-61	2 305	13,635	4.51	615	12	9,935	4.35	432	1-70	25	472	.01	23	31
61-41-0037	2168469	549235	10-62	5 295	12,400	4.42	548	9	9,782	4.69	459	11-69	44	634	-.14	15	29
61-41-0037	2250172	560468	3-64	3 287	14,033	4.01	563	6	9,783	4.58	448	1-69	32	645	-.10	20	33
61-63-0057	2411824	537680	11-65	2 305	13,215	4.93	651	25	9,880	4.74	449	6-69	38	654	.04	34	45
63-01-0016	2086058	512974	11-60	3 305	16,077	4.61	741	26	10,177	4.56	464	12-68	42	749	-.05	30	44
63-01-0016	2240377	559241	11-63	3 302	13,740	4.53	622	21	9,783	4.58	448	12-68	34	598	-.03	25	36
63-01-0016	2287312	528754	8-64	3 305	12,583	4.35	547	27	9,640	4.64	447	8-69	42	683	.05	37	48
63-01-0016	2354973	526646	11-65	2 296	13,435	4.76	639	14	9,425	4.75	448	12-69	34	503	.02	25	34
63-01-0016	2405826	547459	9-66	1 305	15,500	4.59	711	19	10,290	4.96	510	11-69	30	560	-.05	21	32
63-01-0016	2417091	553667	7-67	1 305	15,050	4.75	715	23	10,610	4.93	523	12-69	35	574	.03	30	40
63-03-1024	1954236	459489	1-59	3 296	13,440	4.71	633	10	10,133	4.60	466	11-69	42	491	.04	27	35
63-05-0008	2425977	550942	3-67	1 305	12,640	4.65	588	26	9,310	4.72	439	2-70	35	455	-.02	19	28
63-05-0016	2250804	549234	9-63	4 305	13,170	4.64	611	17	10,055	4.93	496	5-69	39	565	-.09	17	29
63-05-0016	2260531	528754	11-63	3 302	13,767	5.02	691	15	10,190	4.90	499	2-69	42	763	.12	48	60
63-05-0016	2302461	549588	12-64	3 305	12,106	5.08	615	20	9,970	4.81	480	3-70	41	411	.03	22	29
63-05-0016	2417959	556637	10-67	1 305	15,360	4.49	690	11	10,700	4.86	520	2-70	26	555	-.02	24	34
63-05-0027	2250157	528754	9-63	3 305	11,250	4.52	508	20	9,063	4.72	428	4-69	42	588	.07	34	43
63-08-0011	2222657	550942	8-63	3 299	11,506	4.49	517	51	8,840	4.34	384	10-69	42	488	-.01	22	31
63-12-0016	2175502	496783	10-62	4 305	13,833	5.40	747	13	11,438	4.63	530	6-69	44	430	.17	37	42
63-12-0016	2240760	529773	11-63	4 305	14,295	5.12	732	14	11,123	4.73	526	9-69	43	488	.13	36	43
63-17-0002	2127832	543798	2-62	6 305	11,466	4.87	558	19	8,773	4.49	394	9-69	36	454	.06	27	34
63-17-0002	2315125	560022	4-65	3 304	12,770	4.48	572	26	9,060	4.42	400	6-69	32	555	.00	26	36
63-17-0002	2378423	537680	7-66	2 290	13,825	4.14	572	19	10,520	4.34	457	1-70	38	620	-.04	25	37
63-17-0002	2384202	537680	9-66	1 305	11,260	4.24	477	20	8,900	4.38	390	5-69	34	459	-.01	20	29
63-17-0002	2384203	537680	9-66	2 305	12,850	4.18	537	23	10,440	4.40	459	1-70	38	526	-.03	21	31
63-17-0002	2409713	550942	2-67	1 305	17,110	3.85	659	25	11,760	4.37	514	11-69	35	626	-.10	19	32
63-22-0003	2311515	459489	11-64	3 302	11,827	4.68	553	26	8,403	4.70	395	11-69	42	485	.02	25	33
63-22-0003	2424589	539742	9-66	2 305	11,885	4.41	524	31	8,550	4.80	410	10-69	39	492	.02	25	34
63-23-0016	1873932	494519	7-58	8 305	12,983	4.70	610	44	10,338	4.65	481	7-69	42	405	.05	24	30
63-23-0016	2177765	549235	11-62	3 302	14,390	4.40	633	73	10,853	4.56	495	10-68	42	727	-.13	20	35
63-23-0016	2255758	558947	8-63	3 305	15,006	4.03	604	69	10,563	4.53	478	7-69	33	1,013	-.10	36	56
63-23-0016	2255761	522433	9-58	3 305	16,587	5.00	829	79	10,877	4.52	492	8-69	29	832	.10	49	62
63-23-0016	2255773	558947	8-63	3 305	13,930	4.63	645	65	10,566	4.50	475	1-69	33	868	.02	42	57
63-23-0016	2255801	558947	4-64	3 305	16,806	4.80	806	60	10,820	4.49	486	1-70	33	1,223	.05	62	83
63-23-0016	2255807	558947	7-63	3 305	15,433	4.40	679	48	10,790	4.54	490	12-68	33	1,042	-.03	45	64
63-23-0016	2255819	558947	12-63	4 285	13,640	4.93	672	70	10,440	4.54	474	10-69	35	871	.06	47	62
63-23-0016	2258202	511244	8-62	3 305	14,303	4.61	659	57	11,450	4.53	519	11-69	42	524	-.05	19	29
63-23-0016	2275806	549235	5-64	3 305	15,963	3.78	603	64	10,423	4.58	477	11-69	42	952	-.25	18	40
63-23-0016	2306673	558947	7-64	1 305	13,470	4.51	608	54	9,950	4.53	451	9-68	24	775	-.01	35	49
63-23-0016	2306674	558947	7-64	2 305	13,505	4.41	596	51	10,505	4.46	469	1-69	30	793	-.02	35	50
63-23-0016	2306675	558947	8-64	3 305	17,040												

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%) MILK (L8)	I N O E X..... FAT (%) FAT (L8)	..... OOL- LARS				
63-23-0016	2486225	553667	9-67	1 305	11,760	5.02	590	52	10,510	4.52	475	1-70	35	330	.08	23	\$ 28
63-27-0004	2273336	549235	3-64	4 305	13,673	4.60	629	22	10,413	4.72	492	1-70	44	710	-.12	21	36
63-27-0005	2151806	527554	12-61	5 276	14,604	4.46	652	13	9,876	4.70	464	5-69	34	807	-.05	32	48
63-32-1111	2351174	560175	10-65	1 305	16,140	4.14	668	19	7,550	4.64	350	9-69	25	803	-.05	32	47
63-51-0003	1945300	513617	11-58	3 305	14,437	4.93	712	27	11,497	4.72	543	9-68	36	395	.05	23	29
63-51-0003	2244681	557737	12-63	3 305	14,786	4.53	670	20	12,260	4.67	572	4-69	32	631	-.05	24	36
63-51-0003	2244684	549235	1-64	3 305	16,097	4.50	724	24	12,483	4.61	576	2-69	42	754	-.13	22	38
63-51-0003	2303971	557737	8-64	2 305	13,955	4.41	615	18	12,080	4.54	548	5-69	29	518	-.05	19	29
63-51-0003	2335124	557737	1-65	1 305	14,450	4.37	632	19	10,710	4.74	508	12-69	23	631	-.07	22	35
63-51-0003	2335125	557737	1-65	3 294	14,160	4.19	593	15	11,900	4.59	546	2-70	32	590	-.10	17	29
63-51-0003	2385580	557737	7-66	2 305	14,090	4.30	606	19	10,615	4.65	494	11-69	29	694	-.09	23	37
63-51-0003	2434163	557737	3-67	1 305	14,160	4.31	610	20	11,290	4.50	508	7-69	23	558	-.06	20	31
64-25-0114	1935087	520701	11-58	1 305	12,920	4.47	577	12	9,760	4.52	441	3-69	37	457	.01	22	30
64-38-0103	2406908	511244	8-66	1 305	15,390	4.31	664	9	9,320	4.68	436	5-69	35	644	-.11	19	32
64-44-0111	2401140	572363	10-66	2 298	14,370	4.63	665	11	9,935	4.60	457	11-69	25	565	.01	27	37
65-02-0009	2177519	559658	11-62	4 305	14,802	4.37	647	38	9,225	4.48	413	3-69	34	941	-.04	39	57
65-02-0009	2181468	559658	11-62	4 305	11,212	4.41	494	40	8,797	4.44	391	10-69	34	478	-.02	20	29
65-02-0009	2237265	559658	11-63	3 305	12,096	4.50	544	36	9,006	4.57	412	4-69	32	552	-.03	23	33
65-02-0009	2299734	559658	5-64	2 305	12,955	4.69	607	57	8,710	4.62	402	10-68	29	646	.00	30	42
65-02-0009	2299739	559658	10-64	1 305	13,890	4.46	620	33	8,900	4.45	396	1-70	24	602	-.02	26	37
65-02-0009	2304421	559658	9-64	2 305	12,075	4.59	554	41	8,900	4.64	413	12-68	29	520	-.02	22	32
65-02-0009	2304423	559658	8-64	3 303	15,896	4.47	711	42	8,753	4.60	403	11-69	32	1,096	-.04	47	67
65-02-0009	2343741	545213	3-65	2 295	13,340	4.50	600	47	9,425	4.55	429	1-69	32	484	.00	22	31
65-02-0009	2346343	553900	8-65	2 298	13,275	4.56	605	38	8,650	4.57	395	8-69	30	483	.00	22	31
65-02-0009	2346344	553900	8-65	2 305	13,385	4.53	606	45	8,760	4.58	401	10-69	30	484	-.01	21	30
65-02-0013	2389004	533769	7-65	2 299	11,475	4.58	526	74	7,140	4.57	326	11-68	40	642	-.09	21	34
65-02-0021	2236228	501586	9-63	3 305	12,250	4.33	530	29	9,707	4.52	439	4-69	41	559	-.05	21	32
65-02-0021	2268603	501586	6-64	3 305	11,993	4.37	524	23	9,490	4.43	420	8-69	41	551	-.03	23	33
65-02-0021	2268604	501586	6-64	3 301	12,170	4.29	522	25	9,830	4.44	436	1-69	41	536	-.04	21	31
65-02-0021	2320530	501586	3-65	2 305	14,435	4.27	616	19	10,020	4.42	443	5-69	39	732	-.05	29	43
65-02-0021	2320532	501586	3-65	2 305	12,645	4.56	576	26	9,450	4.52	427	6-69	39	600	-.01	27	38
65-02-0021	2320538	501586	5-65	2 305	12,405	4.34	538	19	9,955	4.42	440	5-69	39	528	-.03	21	31
65-02-0021	2340691	501586	7-65	3 305	12,377	4.38	542	31	8,900	4.53	403	11-69	41	659	-.03	27	40
65-03-0017	2130042	546626	8-61	6 305	15,521	4.56	707	35	11,030	4.37	482	11-69	43	667	.05	36	47
65-03-0017	2212008	546626	9-62	4 303	14,395	4.76	685	40	11,817	4.36	515	12-69	42	411	.09	28	34
65-03-0017	2228125	546626	4-62	5 305	14,720	4.24	624	27	11,074	4.33	479	10-69	43	556	-.01	25	35
65-03-0017	2312383	496783	3-64	3 291	15,570	3.87	602	44	11,537	4.39	506	11-68	42	601	-.07	21	33
65-03-0017	2371937	496783	2-66	2 305	14,655	4.44	650	57	11,940	4.36	521	10-69	40	418	.04	23	30
65-03-0017	2371961	550942	6-65	2 305	19,235	4.14	796	28	12,755	4.35	555	12-69	40	886	-.08	33	50
65-03-0017	2407694	546626	8-66	2 303	18,485	3.77	697	30	12,060	4.30	519	9-69	39	752	-.09	26	41
65-03-0231	2244359	550942	9-63	4 302	16,190	4.12	667	20	12,292	4.74	583	7-69	43	701	-.13	19	34
65-03-0231	2247671	550942	10-63	3 305	19,096	4.22	806	20	12,470	4.72	588	9-68	42	992	-.11	34	54
65-03-0231	2279348	511244	9-64	3 302	16,430	4.60	756	10	13,013	4.63	603	5-69	42	608	-.07	21	33
65-03-0231	2296764	546626	4-65	2 305	14,645	5.26	770	10	12,605	4.69	591	1-69	39	304	.12	26	29
65-03-0231	2345664	496783	2-66	2 303	15,490	4.65	721	17	12,500	4.58	573	9-69	40	452	.05	26	33
65-19-0007	2148578	538859	10-61	2 305	13,985	4.64	649	16	9,685	4.47	433	1-70	28	633	.03	32	43
65-19-0106	2342774	546626	9-65	3 305	13,400	4.57	613	24	10,570	4.55	481	11-69	41	402	.03	22	29
65-33-0001	2222921	556954	8-63	3 305	14,590	4.31	629	146	10,130	4.67	473	12-68	32	602	-.06	22	34
65-33-0001	2222929	555991	8-63	4 303	13,287	4.66	619	93	10,480	4.65	487	3-69	34	563	.00	26	36
65-33-0007	2328281	555991	7-65	2 305	15,165	4.25	644	136	10,710	4.74	508	9-69	29	699	-.09	23	37
65-33-0001	2328290	550693	8-65	2 305	15,220	4.45	678	104	11,355	4.64	527	10-69	29	504	-.03	20	30
65-33-0001	2351652	555991	9-65	2 305	14,750	4.60	679	102	10,560	4.76	503	8-69	29	665	-.03	28	40
65-41-0001	2394049	542530	9-66	1 305	17,460	4.11	718	12	9,070	4.39	398	6-69	25	906	-.08	34	52
65-41-0001	2394050	542530	8-66	2 305	13,175	4.08	538	19	9,445	4.65	439	11-69	30	595	-.10	17	30
65-41-0001	2399907	542530	10-66	2 305	13,480	4.20	566	16	10,120	4.63	469	1-70	30	559	-.08	18	29
71-02-0008	2176669	545327	10-62	3 303	16,983	4.64	788	10	11,130	4.90	545	12-68	41	757	-.01	34	48
71-02-0008	2228322	536994	7-63	5 294	13,414	4.83	648	10	10,836	4.90	531	2-70	43	541	-.05	20	31
71-02-0047	2157499	512974	12-61	3 305	16,703	4.50	751	12	10,210	4.54	464	10-69	42	818	-.07	31	47
71-07-9003	2132208	550287	4-61	3 247	13,027	4.21	549	27	8,113	4.45	361	6-69	32	830	-.06	32	48
71-19-0030	2166085	512974	8-62	3 299	15,517	4.05	629	16	10,530	4.36	459	12-68	42	648	-.12	18	32
71-19-0030	2197879	548273	11-62	3 305	13,133	4.71	619	16	11,087	4.33	480	4-69	33	392	.05	23	29
71-19-0030	2393491	546331	1-67	1 305	15,810	4.08	645	22	11,450	4.27	489	12-68	35	547	-.01	24	34
72-17-0006	1863127	525795	2-58	7 305	14,727	4.10	604	53	10,843	4.40	477	1-69	36	707	-.08	25	39
72-17-0006	2065758	545581	1-61	6 303	15,590	3.72	580	52	10,823	4.42	478	9-69	36	798	-.21	15	33
72-17-0006	2108425	540203	8-61	3 305	14,053	4.72	663	44	10,127	4.30	435	3-70	38	546	.06	31	40
72-17-0006	2340205	565655	2-65	3 305	14,073	4.33	609	66	9,386	4.46	419	10-69	32	677	-.04	27	40
72-17-0006	2382413	546331	9-66	1 305	12,670	4.31	546	63	9,040	4.60	416	10-69	35	474	.00	22	31
72-17-0006	2382420	546331	9-66	1 305	14,260	4.59	655	63	9,040	4.60	416	10-69	35	594	.02	30	40
72-17-0006	2408158	546331	2-67	1 305	15,790	4.14	654	55	10,350	4.41	456	1-70	35	620	-.02	27	38
72-17-0006	2414037	546331	4-67	1 305	13,290	4.42	587	55	10,350	4.41	456	1-70	35	432	.02	22	29
72-17-0006	2427126	540888	7-67	1 305	15,050</												

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS	
72-37-0001	2320201	540888	1-65	3 305	11,773	4.77	561	104	8,853	4.48	397	10-69	41	467	.04	26	\$ 34
72-37-0001	2340099	496783	8-65	2 305	12,370	4.70	582	82	9,470	4.40	417	5-69	40	412	.07	26	32
72-37-0001	2340104	533769	9-65	2 305	14,445	4.17	602	98	10,045	4.41	443	2-69	40	679	-.13	18	33
72-37-0001	2340108	533769	9-65	3 305	14,310	4.09	585	107	9,886	4.43	438	3-70	42	732	-.14	19	35
72-37-0001	2340127	496783	11-65	2 305	14,290	4.21	601	113	9,755	4.47	436	12-68	40	581	-.01	26	37
72-37-0001	2394146	511244	9-66	1 300	13,220	4.58	606	102	8,410	4.44	373	8-69	35	542	-.06	19	30
72-37-0001	2394184	496783	12-66	2 305	12,790	4.51	577	128	10,225	4.37	447	1-70	40	386	.05	23	29
72-37-0001	2394190	562452	1-67	2 293	15,105	4.24	641	131	10,170	4.40	447	1-70	29	609	-.04	24	36
72-37-0109	2282364	540888	10-64	3 304	12,723	4.83	614	18	10,480	4.51	473	11-69	41	406	.05	24	30
72-40-0110	2343138	540888	11-65	1 305	13,850	4.22	585	64	9,420	4.35	410	5-69	34	483	-.01	21	30
72-40-0110	2364989	496783	4-66	1 280	13,610	4.38	596	75	9,600	4.49	431	12-69	36	425	.02	22	29
72-40-0110	2389426	496783	11-66	2 302	14,480	4.05	586	54	9,995	4.31	431	3-70	40	578	-.02	25	36
72-40-0110	2430822	528424	10-67	1 305	13,360	4.62	617	69	9,320	4.56	425	11-69	35	496	.00	23	32
72-40-6126	2188836	525445	1-63	3 305	12,813	4.75	608	40	8,653	4.80	415	1-69	36	530	-.01	24	34
72-40-6126	2195742	558315	1-63	4 301	13,570	4.61	626	40	8,375	4.86	407	11-69	32	814	-.03	35	50
72-40-6126	2365748	540888	8-65	2 305	11,695	4.68	547	28	8,490	4.85	412	10-69	38	457	.00	21	29
72-42-0123	2211907	555391	3-63	3 305	11,226	4.19	470	31	8,166	4.18	341	6-69	35	577	-.03	24	35
72-42-0123	2435425	546331	9-67	1 305	11,920	4.26	508	43	7,930	3.97	315	1-70	35	493	.03	26	34
73-03-9003	1996455	424136	9-59	6 298	12,843	4.39	564	65	10,038	4.25	427	11-68	38	552	.00	26	36
73-03-9003	2148311	553653	9-61	4 305	13,155	3.99	525	82	10,235	4.21	431	12-68	35	549	-.07	18	29
73-03-9003	2182573	553653	12-61	5 300	11,748	4.15	488	75	9,214	4.25	392	7-69	36	492	-.05	18	28
73-03-9003	2194013	553653	2-62	6 305	12,086	4.41	533	71	9,985	4.23	422	2-70	36	439	.01	21	29
73-03-9003	2262153	549235	10-63	3 305	13,690	4.57	625	114	11,013	4.30	474	1-70	42	629	-.08	21	34
73-03-9003	2286870	553653	10-63	3 305	13,053	4.27	557	69	10,233	4.31	441	4-69	33	509	-.03	21	31
73-03-9003	2425398	553653	3-67	1 305	12,350	4.62	570	82	8,240	4.76	392	8-69	24	493	-.02	21	30
73-03-9003	2425429	553653	5-67	1 305	12,100	4.63	560	73	8,370	4.71	394	7-69	24	460	-.01	20	29
73-03-9003	2429775	568538	10-66	2 305	13,985	4.20	587	99	11,085	4.35	482	2-70	29	486	-.04	19	28
73-19-9005	2197881	548273	1-63	4 305	14,565	4.24	617	24	11,378	4.62	526	1-69	35	580	-.08	19	31
73-19-9005	2316821	564125	3-65	2 305	17,915	3.95	707	18	11,525	4.73	545	12-68	30	948	-.17	26	46
73-55-0029	2197741	511244	9-62	4 243	18,033	4.62	833	7	11,755	4.60	541	12-69	43	974	-.06	39	58
73-55-0029	2340206	553653	2-65	3 303	13,500	4.62	624	25	11,320	4.27	483	1-70	33	438	.05	25	32
73-55-9012	2322819	562937	3-65	3 302	12,756	4.12	525	30	7,806	4.65	363	11-69	33	629	-.11	18	31
73-55-9012	2404834	533769	9-66	1 305	16,470	3.75	617	41	8,780	4.29	377	4-69	36	809	-.18	19	37
73-55-9012	2433806	511244	8-67	1 303	15,370	4.00	615	17	8,790	4.54	399	1-70	35	678	-.13	18	33
73-55-9030	2024032	550287	4-60	7 305	12,817	4.23	542	17	10,224	4.62	472	8-69	35	574	-.08	18	30
73-55-9030	2051256	550287	10-60	7 295	12,860	4.60	591	24	10,343	4.59	475	7-69	35	565	-.01	25	35
73-55-9030	2335827	564125	10-65	3 305	15,976	4.58	731	19	10,743	4.60	494	1-70	33	872	-.02	38	54
73-55-9030	2335828	564125	10-65	3 305	13,543	4.22	571	18	10,756	4.54	488	2-70	33	545	-.08	17	28
73-60-9018	2398464	562938	12-65	2 305	13,140	3.99	524	5	8,625	4.29	370	12-69	29	694	-.07	25	39
73-60-9018	2463182	549235	9-65	2 300	14,605	4.17	609	7	9,550	4.06	388	3-69	40	829	-.13	25	42
74-04-0109	2182580	553653	4-62	5 305	13,144	4.21	554	53	9,482	4.25	403	7-69	36	664	-.04	27	40
74-04-0109	2260685	550942	1-64	3 299	11,713	4.75	556	75	9,620	4.51	434	12-69	42	430	.01	21	29
74-36-0036	2216377	496783	8-63	3 304	11,527	4.29	495	19	7,287	4.65	339	9-68	42	576	-.01	26	37
81-56-9033	2296594	533769	3-65	1 305	19,340	4.52	875	16	11,820	5.24	619	2-69	36	819	-.15	22	40
82-13-0197	2261844	546511	2-64	3 305	12,206	5.15	629	14	9,993	4.78	478	7-69	32	350	.09	25	30
82-13-0197	2407366	511244	8-65	2 305	15,640	4.27	668	18	9,865	4.99	492	3-69	40	768	-.15	20	37
82-16-0191	2198598	546331	10-62	4 303	12,505	4.49	562	40	10,800	4.32	467	4-69	43	408	.04	23	30
82-16-0191	2241907	549235	10-63	4 287	14,853	3.97	590	34	10,800	4.44	479	1-70	44	813	-.20	17	35
82-16-0191	2307842	533769	2-65	3 234	15,183	3.93	597	22	11,056	4.49	496	7-69	42	711	-.18	14	30
82-16-0191	2393377	533769	8-66	2 251	14,295	4.64	664	21	11,550	4.53	523	1-70	40	526	-.07	17	28
82-19-0241	2308638	496783	9-64	3 290	12,517	5.26	658	31	10,950	4.62	506	12-69	8 42	311	.14	28	31
82-19-0241	2312111	496783	8-64	2 305	13,825	4.59	635	30	10,420	4.74	494	8-69	40	473	.02	24	32
82-36-0230	2359358	560759	5-65	3 249	15,077	4.22	637	6	11,577	4.46	516	12-69	8 29	527	-.05	19	29
82-45-0171	2365689	546331	2-66	3 305	13,790	4.42	610	11	11,150	4.73	527	4-70	42	511	-.02	22	32
82-45-0171	2365690	546331	1-66	1 305	14,150	4.86	687	16	11,640	4.87	567	1-69	35	409	.03	22	29
82-45-0171	2368831	546331	1-66	2 305	13,745	4.42	608	17	11,000	4.72	519	4-69	40	486	-.01	22	31
82-48-5150	2138107	549335	2-62	5 305	12,846	4.84	622	14	10,504	4.56	479	5-69	40	387	.09	27	32
82-48-5150	2281835	549335	9-64	4 304	13,485	4.70	634	26	11,220	4.66	523	12-69	39	373	.05	22	28
82-51-0191	2360425	546331	1-66	2 305	12,725	4.26	542	25	9,885	4.49	444	6-69	40	484	.00	22	31
82-51-0191	2418753	546331	12-65	1 305	13,330	3.78	504	12	9,230	4.39	405	7-69	35	511	-.05	19	29
82-52-0167	2005577	465971	7-59	7 305	12,037	4.53	545	14	9,585	4.55	436	2-69	42	465	-.03	19	28
82-52-0169	2287609	533769	2-64	3 305	16,023	4.10	657	34	10,656	4.50	479	5-69	42	849	-.16	23	41
82-52-0169	2308934	551625	5-65	3 302	13,033	4.83	629	21	10,103	4.42	447	8-69	34	464	.10	32	39
82-52-0169	2386322	546331	7-66	2 305	13,250	4.48	594	41	10,410	4.42	460	1-70	40	489	.03	26	34
82-52-0169	2433763	546331	12-67	1 305	13,460	4.05	545	20	10,190	4.34	442	2-70	35	455	-.01	20	28
84-03-0018	2272298	560917	6-64	3 305	12,706	4.66	592	19	10,266	4.60	472	6-69	32	406	.02	21	28
84-03-0018	2355016	557013	9-65	3 304	13,446	4.85	652	18	11,026	4.79	528	11-69	33	427	.03	23	30
84-03-0018	2371867	560917	2-66	2 298	14,865	4.78	710	19	11,175	4.72	527	1-70	29	532	.02	27	36
84-03-0032	2302741	557983	9-64	3 290	11,246	4.50	506	21	8,196	4.70	385	2-69	33	571	-.02	24	35
84-03-0036	2307550	551015	10-64	2 305	12,835	4.67	600	30	8,800	4.85	427	10-68	32	565	-.04	22	33
84-03-0036	2391761	566446	8-66	2 30													

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

CON'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COM'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS		
85-21-9001	2261081	511244	5-64	4 295	15,523	4.05	628	431	11,153	4.35	485	9-69	43	729	-.13	20	\$ 36
85-21-9001	2276588	511244	8-64	4 300	14,253	4.27	608	433	11,060	4.34	480	9-69	43	582	-.09	18	30
85-21-9001	2276648	558815	10-64	4 286	14,105	4.35	613	581	11,433	4.24	485	11-69	30	434	.00	20	28
85-21-9001	2287032	550942	1-65	1 305	18,960	3.58	678	670	11,670	3.92	457	1-70	35	772	-.10	25	41
85-21-9001	2309098	459489	8-64	3 290	14,790	3.79	561	625	11,343	4.26	483	8-69	42	521	-.07	17	28
85-21-9001	2313872	526592	4-65	4 290	15,883	4.29	682	436	11,840	4.04	478	3-70	41	525	.09	33	41
85-21-9001	2313899	511244	5-65	3 289	15,630	3.89	608	382	11,713	4.17	489	5-69	42	651	-.14	16	30
85-21-9001	2313900	511244	5-65	3 303	15,053	3.99	600	445	11,387	4.22	480	6-69	42	618	-.12	16	29
85-21-9001	2330287	529773	12-64	3 299	15,093	4.29	647	561	12,123	4.09	496	1-70	42	452	.07	28	35
85-21-9001	2343516	567333	12-65	2 290	17,620	3.81	671	442	12,425	4.14	515	12-68	29	744	-.12	22	38
85-21-9001	2361435	533769	5-66	1 305	17,600	3.67	646	516	11,430	4.12	471	5-69	36	715	-.18	15	31
85-21-9001	2361444	533769	3-66	3 296	14,070	4.54	639	377	11,983	3.99	478	4-70	42	487	-.02	21	30
85-21-9001	2375131	533769	9-66	2 302	15,380	4.01	617	545	11,485	4.19	481	10-69	40	642	-.13	16	30
85-21-9001	2375156	550942	9-66	2 298	14,525	4.20	610	609	11,345	4.20	476	8-69	40	535	-.04	21	31
85-21-9001	2390534	511244	12-66	1 305	17,610	3.86	680	463	11,640	3.99	464	12-69	35	654	-.12	18	32
85-21-9001	2409812	567333	4-67	1 305	16,450	4.01	659	434	11,750	4.03	473	4-69	23	532	-.05	20	30
85-21-9001	2419271	567333	5-67	1 305	19,740	3.86	761	544	11,410	4.11	469	5-69	23	858	-.09	30	47
85-21-9001	2419356	533769	9-67	1 305	15,730	4.14	651	599	11,690	3.93	460	1-70	36	559	-.10	16	28
85-21-9001	2434585	568872	12-67	1 305	17,010	3.92	667	610	11,700	3.98	466	12-69	23	535	-.05	20	30
85-21-9001	2445660	556765	3-68	1 305	15,590	4.30	671	454	11,690	3.87	452	3-70	29	446	.01	22	30
86-01-0420	2169450	549336	8-62	3 298	15,686	3.97	622	44	11,780	4.18	492	2-70	41	628	-.05	24	36
86-01-0420	2187033	546331	1-62	3 305	13,777	4.40	606	40	11,207	4.25	476	3-70	42	503	.04	27	35
86-01-0420	2410094	543853	6-67	1 305	17,050	4.25	725	37	12,190	4.10	500	7-69	35	557	-.01	25	35
86-01-0420	2470996	533769	9-66	1 305	17,830	3.88	692	37	11,930	4.05	483	6-69	36	699	-.14	18	33
86-01-9039	2039747	531805	6-60	8 298	13,825	4.08	564	36	11,235	4.44	499	1-70	36	571	-.10	16	28
86-01-9039	2039752	531805	7-60	7 297	12,940	4.37	566	36	10,887	4.40	479	6-69	36	487	-.04	19	28
86-01-9039	2251793	491754	2-64	4 302	14,577	4.05	590	51	10,812	4.46	482	8-69	39	769	-.11	24	40
86-01-9478	2007557	499468	1-60	3 277	15,893	4.69	745	10	8,830	4.69	414	4-69	41	738	.04	38	51
86-01-9478	2177984	493764	5-61	4 293	15,425	4.69	723	11	9,675	4.56	441	3-70	43	636	.05	35	46
86-02-9012	1945342	496783	11-58	7 305	14,577	4.38	639	76	12,344	4.39	542	1-70	44	434	.03	23	30
86-02-9012	2008321	523912	11-59	7 304	14,479	4.13	598	77	12,104	4.41	534	11-69	34	553	-.08	18	29
86-02-9012	2082385	496783	11-60	6 304	14,067	4.86	683	83	12,330	4.37	539	10-69	44	370	.12	29	34
86-02-9012	2084612	491754	12-60	5 305	18,682	3.89	727	58	12,192	4.45	543	1-69	40	1,186	-.18	36	61
86-02-9012	2160229	491754	5-62	5 305	15,768	4.18	659	68	12,860	4.35	559	9-69	40	698	-.08	24	38
86-02-9012	2194834	491754	1-63	5 301	14,318	4.63	663	77	12,656	4.35	551	10-69	40	522	.02	26	35
86-02-9012	2219025	549212	7-63	4 305	16,005	4.20	673	103	12,673	4.26	540	12-69	30	553	-.04	22	33
86-02-9012	2280096	491754	7-64	4 303	13,985	4.50	629	91	12,805	4.29	549	1-70	39	452	.00	21	29
86-02-9012	2308924	551625	1-65	4 302	13,517	4.63	626	48	11,535	4.33	500	4-70	36	376	.09	26	31
86-02-9012	2313389	491754	11-64	2 305	17,680	3.84	679	64	14,010	4.22	591	2-69	35	720	-.12	21	36
86-02-9012	2314800	491754	11-64	1 305	17,000	4.12	701	97	13,100	4.21	552	7-69	31	636	-.06	23	36
86-02-9012	2318017	491754	1-65	3 303	17,576	3.60	633	69	13,876	4.19	582	7-69	38	774	-.18	17	34
86-02-9012	2318020	491754	1-65	3 305	14,510	4.85	704	66	13,246	4.26	564	7-69	38	463	.06	28	35
86-02-9012	2333309	563476	3-65	3 303	19,483	3.32	647	112	13,843	4.18	579	12-69	29	864	-.27	12	32
86-02-9012	2348169	491754	8-65	3 305	15,476	4.15	643	96	13,546	4.20	569	12-69	38	550	-.05	20	31
86-02-9012	2351949	566944	2-66	2 301	15,885	3.82	607	88	11,845	4.38	519	8-69	30	612	-.14	14	28
86-02-9012	2360562	546331	2-66	1 305	18,750	3.51	658	157	14,770	4.07	601	1-70	35	544	-.07	18	29
86-02-9012	2365989	491754	1-66	2 305	17,735	4.05	718	94	13,690	4.23	579	9-69	35	757	-.08	27	42
86-02-9012	2367114	550462	1-66	2 305	16,015	4.61	739	77	12,910	4.21	544	7-69	29	385	.12	30	35
86-02-9012	2373082	568764	4-66	2 305	18,075	3.54	639	69	12,535	4.20	526	4-70	29	828	-.20	18	36
86-02-9012	2376890	546331	5-66	2 305	15,855	4.24	673	94	13,320	4.23	563	8-69	40	488	.01	24	33
86-02-9012	2377190	566236	5-66	2 305	15,880	4.72	750	92	11,870	4.36	518	9-69	29	601	.04	32	42
86-02-9012	2395585	568582	9-66	2 304	16,185	4.34	702	111	12,905	4.25	549	9-69	28	466	.01	23	31
86-02-9012	2396715	546331	12-66	1 305	21,060	3.54	745	172	14,710	4.11	604	12-69	35	722	-.09	24	39
86-02-9012	2404374	546331	11-66	2 298	18,355	3.99	733	124	14,345	4.17	598	12-69	40	649	-.03	27	39
86-02-9012	2413977	568764	1-67	2 298	16,110	4.53	730	117	12,950	4.20	544	2-70	29	545	.02	27	37
86-02-9012	2416688	566236	6-67	1 293	18,060	3.85	695	143	13,530	4.18	565	9-69	24	544	-.08	17	28
86-02-9012	2417380	546331	5-67	1 305	17,980	3.73	670	157	14,770	4.07	601	1-70	35	485	-.03	19	28
86-02-9012	2433764	546331	10-67	1 305	19,600	3.95	775	107	14,690	4.03	592	3-70	35	613	-.01	27	38
86-02-9012	2433765	546331	9-67	1 305	18,420	3.85	710	148	14,850	4.05	601	2-70	35	513	-.02	22	32
86-02-9012	2433771	546331	11-67	1 305	17,750	4.01	712	148	14,850	4.05	601	2-70	35	463	.01	22	30
86-02-9012	2444173	550462	10-67	1 305	18,620	4.25	792	155	15,090	4.00	603	1-70	24	338	.08	24	29
87-03-0177	2422927	546331	11-67	1 305	14,500	3.62	525	7	10,580	4.02	425	2-70	35	507	-.03	20	30
91-10-5020	2396356	546331	2-66	2 304	12,585	4.74	596	19	10,135	4.98	505	8-69	40	447	.01	22	30
91-10-5020	2420190	546331	5-67	1 305	15,120	4.57	691	35	11,310	4.86	550	12-69	35	505	.01	24	33
91-10-5034	2057945	463153	12-60	6 305	13,243	4.79	635	12	10,807	4.63	500	2-69	43	615	.00	29	40
91-10-5034	2106359	544383	12-61	6 305	13,337	4.78	638	7	10,912	4.44	485	9-69	35	403	.08	27	33
91-10-5034	2332781	501586	7-65	2 226	13,555	4.15	563	14	10,890	4.71	513	1-69	8	560	-.09	17	29
91-10-5034	2378232	546331	10-66	2 305	14,795	4.68	692	12	11,750	4.77	560	2-70	40	524	.02	26	35
91-10-5069	2087567	506916	2-61	6 305	14,846	4.34	644	30	10,631	5.03	535	9-69	43	615	-.13	15	28
91-10-5069	2241431	557948	8-63	4 305	13,177	5.75	758	28	10,555	5.02	530	10-69	36	373	.17	34	38
91-10-5069																	

TABLE 2. GUERNSEY USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB) FAT (%) FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB) FAT (%) FAT (LB)	LAST T CALVO C MO-YR OC O W MILK (LB)	I N O E X..... FAT (%) FAT (LB) DOL- LARS
91-12-0146	2438420	546331	1-68	1 305 14,270 4.46 636	7 11,650 4.39 511	11-69	35 417 .03 22 \$ 29	
91-12-5013	2292508	559320	10-64	3 305 17,733 4.80 852	9 12,496 4.70 587	7-69	34 824 .04 42 56	
91-38-0041	2368791	560470	11-65	2 305 11,610 5.39 626	14 9,140 5.07 463	6-69	29 439 .07 27 34	
91-38-0041	2368795	560470	9-65	3 305 11,500 5.28 607	26 9,066 4.97 451	11-69	32 465 .06 28 35	
91-42-5005	2331889	546331	6-65	1 305 14,360 4.32 620	13 10,800 4.62 499	7-69	35 482 .00 22 31	
91-42-5006	2133908	554752	7-61	4 305 11,880 4.15 493	18 7,818 4.66 364	4-69	30 590 -.08 19 31	
91-42-5006	2399525	546331	1-67	2 305 11,490 4.32 496	21 8,215 4.55 374	1-70	40 511 -.01 23 32	
91-54-5063	2356149	549336	7-65	2 305 15,570 4.78 744	12 13,145 4.63 608	1-69	38 434 .04 24 31	
91-54-5063	2356150	546331	2-66	2 305 15,930 4.39 700	9 12,630 4.43 560	11-69	40 559 .01 27 37	
91-58-0020	2132153	549336	8-61	3 305 14,736 4.53 668	5 10,196 4.48 457	7-69	41 684 .01 33 45	
91-58-0020	2417767	553667	8-67	1 305 11,980 4.61 552	7 9,770 4.47 437	12-69	33 397 .05 23 29	
91-58-0076	2343866	546331	7-65	2 305 12,405 4.81 597	10 10,165 4.87 495	12-69	40 426 .03 23 30	
91-58-0212	2375329	546331	7-66	2 303 13,575 4.82 654	13 10,270 4.64 477	11-69	40 535 .05 30 39	
91-58-0212	2445052	546331	9-67	1 305 14,920 3.98 594	18 11,250 4.56 513	10-69	35 494 -.04 19 29	
91-58-5007	1841858	418022	6-57	6 305 13,608 5.48 746	21 10,700 4.90 524	1-69	44 554 .13 39 47	
91-58-5007	2063951	418022	5-60	4 305 15,928 4.53 721	22 10,930 4.89 535	3-69	43 801 -.04 33 48	
91-58-5007	2134783	546331	9-61	4 298 13,515 4.94 668	31 11,365 4.95 562	6-69	43 470 .04 26 34	
91-58-5007	2324622	562415	9-64	2 305 15,390 5.33 820	32 11,640 5.00 582	12-68	29 483 .09 32 39	
91-58-5019	1999322	542132	1-60	6 305 16,128 4.64 748	13 11,607 4.83 561	11-69	36 825 -.01 37 52	
91-58-5019	2255400	543422	3-64	4 305 16,707 4.20 702	14 11,710 4.82 564	3-70	41 572 -.10 16 28	
91-58-5019	2289905	496783	10-64	3 305 14,747 4.75 701	17 11,970 4.80 575	1-70	42 462 .04 25 33	
91-58-5019	2424518	546331	5-67	1 305 14,420 4.62 666	10 11,980 4.69 562	8-69	35 406 .02 21 28	
91-58-5025	2239183	558793	10-63	3 268 12,960 4.38 567	23 10,270 4.86 499	9-68	36 540 -.07 18 29	
91-58-5025	2239184	558793	10-63	4 305 12,180 4.95 603	24 10,460 4.89 512	8-69	37 427 .02 22 29	
91-58-5025	2319790	558793	12-64	3 305 12,626 4.86 614	20 10,493 4.90 514	8-69	36 471 .01 23 31	
91-58-5025	2339261	558793	4-65	3 305 13,666 4.73 646	20 10,386 4.89 508	7-69	36 617 -.02 27 38	
91-58-5025	2339267	546331	6-65	3 305 13,747 4.97 683	30 10,333 4.94 510	9-69	42 591 .04 32 42	
91-58-5025	2373783	558793	5-66	2 305 15,905 4.95 788	20 12,610 4.74 598	3-70	33 601 .05 33 43	
91-58-5025	2373787	546331	3-66	2 305 16,095 4.56 734	21 12,435 4.73 588	3-70	40 594 .00 28 39	
91-58-5025	2396456	552573	1-67	1 305 13,890 5.52 767	28 10,750 4.93 530	7-69	27 418 .09 28 34	
91-58-5025	2428446	546331	2-66	1 305 13,060 5.35 699	21 11,590 4.90 568	4-69	35 330 .08 23 28	
91-58-5025	2457855	546331	10-67	1 305 16,760 4.41 739	25 12,050 4.67 563	1-70	35 578 -.01 26 37	
91-58-5037	2095305	463153	10-61	1 305 14,240 4.46 635	29 11,710 4.88 572	2-69	34 529 -.06 18 29	
91-58-5037	2230124	501586	9-63	5 270 12,428 4.81 598	15 10,842 4.74 514	2-70	43 476 .00 22 31	
91-58-5037	2251528	459489	11-63	4 305 12,320 5.13 632	21 10,560 4.71 497	5-69	44 332 .10 25 29	
91-58-5037	2311304	549235	8-63	4 305 14,685 4.88 716	25 11,745 4.78 561	11-69	44 687 -.08 24 38	
91-58-5037	2324000	546331	9-62	4 299 14,238 4.65 662	28 11,613 4.69 545	11-69	43 533 .02 27 36	
91-58-5037	2413634	546331	5-67	1 305 13,240 5.20 688	34 11,290 4.94 558	8-69	35 364 .06 23 29	
91-58-5045	2138203	536976	7-61	7 288 15,364 4.71 724	21 12,354 4.83 597	4-70	38 526 -.01 23 33	
91-58-5045	2184219	511244	12-62	3 305 17,343 4.65 807	25 14,043 4.80 674	4-69	42 606 -.08 20 32	
91-58-5045	2234596	546331	11-63	2 305 15,790 4.88 771	19 12,895 4.87 628	7-69	40 520 .04 28 37	
91-58-5045	2350698	546331	1-66	2 305 17,745 4.82 855	21 14,355 4.80 689	4-69	40 586 .04 31 41	
91-58-5045	2417774	546331	7-67	1 305 16,240 4.81 781	22 13,780 4.82 664	2-70	35 421 .03 23 30	
91-58-5045	2450095	546331	11-65	2 276 15,815 4.84 765	27 13,880 4.83 670	3-69	40 432 .04 24 31	
91-58-5056	2357992	546331	1-66	2 305 13,685 4.74 649	12 11,505 4.46 513	7-69	40 433 .06 26 33	
91-58-5145	2026463	475548	4-60	6 302 14,177 4.30 609	19 9,892 4.76 471	8-69	44 692 -.03 29 42	
91-58-5145	2330805	546331	8-64	4 288 15,815 5.08 803	16 10,158 4.73 480	3-70	43 892 .10 52 66	
91-58-5145	2427849	546331	3-67	1 305 13,810 4.86 671	14 11,840 4.73 560	3-69	35 370 .05 22 28	
91-62-5013	2023576	532763	12-58	7 305 13,788 4.35 600	13 11,177 4.64 519	12-69	39 525 -.07 17 28	
91-62-5013	2215470	546331	1-63	3 305 12,790 5.22 667	12 11,483 4.40 505	5-69	42 359 .14 31 35	
91-62-5013	2312740	546331	6-62	4 305 13,980 4.59 641	18 11,620 4.44 516	1-70	43 500 .05 28 36	
91-62-5013	2344355	546331	4-65	3 305 12,950 5.04 653	13 11,817 4.43 524	7-69	42 343 .11 27 31	
91-62-5013	2417278	533769	4-67	1 305 17,220 3.60 620	19 11,250 4.27 480	12-69	36 699 -.20 12 28	
91-62-5098	2010102	359246	11-58	9 303 13,880 5.10 708	10 12,404 4.68 580	3-70	40 302 .14 28 31	
91-62-5098	2385640	546331	6-65	2 305 14,025 5.20 730	17 12,895 4.65 600	5-69	40 340 .11 27 31	
91-62-5098	2425268	546331	10-66	1 305 18,170 4.30 782	19 14,100 4.63 653	5-69	35 545 -.01 24 34	
91-62-5098	2427505	533769	5-67	1 305 17,280 4.35 751	15 12,740 4.54 579	9-69	36 604 -.12 16 29	
91-62-5098	2427507	546331	12-66	1 305 15,500 5.17 801	16 13,020 4.50 586	12-69	35 417 .11 30 36	
91-62-5098	2429787	563656	10-66	1 305 19,640 4.03 792	20 14,300 4.71 674	5-69	33 649 -.17 13 28	
91-64-0066	2378212	546331	7-65	2 302 14,015 5.14 721	22 12,260 4.67 573	3-70	40 398 .10 28 34	
91-64-0185	2259270	508870	12-63	3 305 14,806 4.62 684	17 11,200 4.52 506	10-69	38 599 -.03 25 36	
91-68-0024	1950139	527751	4-59	3 302 11,426 5.11 584	18 8,843 4.72 417	10-69	32 329 .11 26 30	
91-68-0024	2363168	546331	1-65	2 304 12,525 4.99 625	20 10,245 4.68 479	3-70	40 431 .07 27 34	
91-68-0033	2217864	552188	6-63	3 292 12,530 5.07 635	17 9,086 4.80 436	9-69	8 33 573 .04 31 41	
91-68-0104	2410870	546331	7-67	1 305 12,920 4.23 546	7 9,120 4.54 414	1-70	35 487 -.01 22 31	
91-68-0104	2448102	546331	1-67	1 305 11,900 4.57 544	7 9,170 4.68 429	7-69	35 407 .02 21 28	
91-68-5031	2281823	546331	5-64	3 305 11,840 4.83 572	24 9,573 4.89 468	10-68	42 449 .03 24 32	
91-68-5031	2312192	558793	9-64	2 305 12,295 4.72 580	34 9,755 4.83 471	10-68	33 482 .00 22 31	
91-68-5031	2312357	558793	7-64	4 300 11,882 4.72 561	29 9,660 4.87 471	1-70	37 482 .00 22 31	
91-68-5031	2397252	570058	9-66	2 305 18,470 4.65 858	24 10,455 4.73 494	2-70	29 1,156 -.02 52 73	
91-68-5031	2398181	570058	11-66	1 305 18,400 4.90 901	27 9,620 4.67 449	4-69	23 985 .03 49 66	
91-68-5031	2422721	570058	12-66	1 305 12,410 4.72 586	27 9,620 4.67 449	4-69	23 443 .00 21 29	
91-68-5031	2422722	570058	12-66	2 305 13,865 4.10 568	23 10,455 4.75 497	3-70	29 599 -.11 17 30	
91-68-5033	2254238	552188	4-64	3 299 12,186 5.00 609	12 9,330 4.95 462	10-68	33 497 .01 24 33	
91-68-5033	2314171	552188	6-63	3 305 11,396 5.11 582	13 9,363 4.74 444	6-69	33 387 .05 23 29	
91-74-0035	2278012	563777	10-64	3 296 14,720 3.97 585	27 9,587 4.58 439	8-69	29 731 -.12 21 36	
91-74-0039	2103511	522715	10-60	5 305 12,304 5.12 630	20 10,204 4.73 483	1-70	38 501 .05 28 36	
91-74-0039	2189683	546331	12-62	3 305 14,210 5.11 726	12 11,277 4.78 539	6-69	42 546 .09 34 42	
91-74-0039	2285237	546331	11-64	3 305 11,910 5.17 616	6 10,777 4.73 510	1-70	42 331 .09 24 29	
91-74-0039	2							

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO.	AVERAGES.. MILK (L8)	FAT (%)	FAT (L8)	LAST CALV MO-YR	T C DC O W REPT (%)	I N O E X..... MILK (L8)	FAT (%)	FAT (L8) OOL- LARS
91-74-5022	2359335	546331	4-65	2 305	11,885	4.89	581	10	10,020	4.71	472	5-69	40	386	.05	23	\$ 29	
91-74-5067	2250377	549336	4-62	5 305	14,286	4.82	688	12	11,536	4.66	538	2-70	43	525	.05	29	38	
91-74-5067	2330995	546331	8-64	3 305	14,323	4.91	703	9	11,747	4.63	544	12-68	42	510	.07	31	39	
91-74-5071	2133492	546331	1-62	4 305	14,308	5.02	718	15	12,950	4.76	617	12-69	43	392	.08	26	32	
91-74-5071	2248615	529773	5-63	5 305	15,858	4.60	730	17	12,490	4.85	606	12-69	44	551	.02	28	38	
91-74-5071	2261244	549235	8-63	4 305	17,408	5.18	902	13	11,918	4.82	575	3-70	44	1,005	-.02	45	63	
91-74-5071	2286284	546331	1-65	2 263	14,025	5.18	726	16	12,605	4.78	602	12-68	8 40	367	.09	26	31	
91-74-5071	2287884	496783	5-63	2 305	15,690	4.99	783	17	13,220	4.77	630	12-69	40	406	.08	27	33	
91-74-5118	2158488	506917	2-62	3 305	16,100	5.16	831	20	12,657	4.73	599	2-69	41	413	.12	31	36	
91-74-5118	2312335	549235	6-64	3 305	16,183	4.45	720	20	12,527	4.77	597	2-69	42	760	-.16	19	35	
91-74-5118	2312337	549235	6-64	4 305	17,590	3.81	670	25	12,440	4.89	608	12-69	44	969	-.30	13	36	
91-74-5118	2340597	546331	3-65	3 305	14,010	4.89	685	17	12,493	4.83	603	12-69	42	395	.05	23	29	
91-74-5118	2340600	546331	5-65	3 305	14,410	4.68	675	13	12,853	4.75	610	3-70	42	404	.02	21	28	
91-78-0027	2070022	526306	3-60	6 305	13,988	4.59	642	19	9,848	4.50	443	7-69	42	454	.02	23	31	
91-78-0027	2126073	468032	8-60	5 305	14,720	4.36	642	17	10,010	4.63	463	11-69	43	645	-.04	26	38	
91-78-0027	2227722	546331	7-62	5 298	11,772	5.16	607	14	9,418	4.58	431	1-70	44	483	.11	34	41	
91-78-0027	2234372	546331	11-63	4 304	12,833	4.26	547	17	10,240	4.41	452	6-69	43	512	-.01	23	32	
91-78-0027	2372758	546331	5-66	2 305	12,335	4.69	579	12	10,365	4.61	478	9-69	40	400	.03	22	29	
91-78-0027	2382094	546331	7-66	2 289	13,225	4.64	613	10	10,020	4.71	472	4-70	40	523	.02	26	35	
91-78-5002	2294505	563435	9-64	3 288	15,313	5.01	767	35	11,503	4.75	546	11-69	8 30	479	.09	31	38	
91-78-5002	2345897	565600	7-65	3 302	13,766	4.87	671	26	11,413	4.64	530	7-69	33	331	.08	23	28	
91-78-5002	2345900	539419	9-65	3 305	16,533	4.52	747	18	12,177	4.52	550	3-70	41	689	-.05	27	40	
92-03-0039	2156324	511244	3-62	3 305	15,917	4.04	643	7	10,163	4.60	468	9-69	42	847	-.17	22	40	
92-03-0039	2227579	511244	11-63	2 305	14,600	4.57	667	15	10,540	4.64	489	9-69	40	600	-.08	20	32	
92-03-5008	2047649	496783	7-60	6 305	13,805	4.83	667	47	10,910	5.10	556	10-69	44	501	.02	25	34	
92-03-5008	2154446	484493	5-62	5 305	14,894	4.37	651	35	10,966	4.96	544	2-70	39	637	-.08	21	34	
92-03-5008	2408827	546331	4-67	1 305	13,200	5.11	674	51	10,920	4.86	531	6-69	35	386	.06	24	30	
92-04-5038	2089466	496783	7-60	6 304	15,825	4.86	769	13	13,297	5.30	705	7-69	44	484	-.02	20	29	
92-04-5038	2220357	528754	9-63	4 305	18,218	5.40	983	11	13,180	5.19	684	9-69	43	1,004	.17	65	80	
92-04-5038	2278529	496783	1-65	3 305	17,227	5.15	888	13	13,747	5.20	715	7-69	42	563	.06	32	41	
92-13-0005	2197452	554708	1-63	4 300	13,477	4.33	583	33	10,720	4.65	498	9-68	37	519	-.07	17	28	
92-13-0005	2206373	496783	3-63	4 295	14,928	3.63	542	29	10,880	4.69	510	1-70	44	628	-.15	14	28	
92-13-0005	2226221	499743	8-63	3 305	13,783	4.58	631	34	10,920	4.64	507	11-69	41	559	-.10	16	28	
92-13-0005	2319936	496783	12-64	3 305	12,890	5.21	671	31	11,020	4.58	505	7-69	42	346	.13	29	33	
92-13-0005	2325021	563656	2-65	2 305	15,675	4.09	641	28	11,280	4.65	525	2-69	37	662	-.15	15	30	
92-13-0005	2453984	546331	1-68	1 305	13,110	4.71	618	23	10,550	4.66	492	2-70	35	404	.03	22	29	
92-13-0020	2430915	546331	5-67	1 305	14,880	4.31	642	30	9,360	4.64	434	8-69	35	619	-.01	28	39	
92-13-0020	2430918	546331	4-67	1 305	12,050	5.00	602	34	9,640	4.64	447	6-69	35	386	.06	24	30	
92-13-0020	2430934	546331	6-66	2 305	14,410	4.05	583	31	9,865	4.69	463	10-69	40	658	-.06	24	37	
92-13-0029	2227173	501586	8-63	4 305	13,143	4.53	596	27	11,303	4.55	514	6-69	42	508	-.02	22	31	
92-13-0029	2227179	506243	10-63	5 302	14,700	4.56	670	38	11,376	4.73	538	1-70	44	620	-.04	25	37	
92-13-0029	2270779	526592	9-64	4 293	15,003	4.71	706	38	11,495	4.73	544	1-70	41	451	.08	29	36	
92-13-0029	2285250	501586	11-64	4 302	15,128	4.44	672	42	10,960	4.75	521	9-69	42	797	-.06	31	46	
92-13-0029	2324338	526592	7-65	3 298	14,137	4.73	669	47	11,193	4.80	537	10-69	39	347	.08	24	29	
92-13-0029	2355519	501586	10-65	3 294	12,933	4.96	641	40	11,373	4.80	546	11-69	41	463	.01	23	31	
92-13-0029	2421370	546331	11-67	1 305	14,730	4.53	667	25	11,930	4.84	577	1-70	35	433	.00	20	28	
92-16-0016	2134452	499743	9-61	2 305	17,815	4.24	756	30	11,390	4.50	513	3-70	38	903	-.14	27	46	
92-16-0016	2324761	554712	6-64	3 305	14,670	4.47	656	23	10,556	4.52	477	7-69	35	712	.01	34	47	
92-16-0016	2404693	554712	7-65	2 296	13,550	4.63	627	29	11,635	4.59	534	10-69	32	414	.02	21	28	
92-16-0016	2422368	554712	2-67	1 305	14,150	4.65	658	25	11,420	4.57	522	2-69	27	432	.03	23	30	
92-16-0016	2422371	546331	9-66	1 305	15,070	4.52	681	33	12,020	4.47	537	12-69	35	453	.03	24	32	
92-16-0027	2341727	546331	8-65	2 305	12,560	4.63	581	37	9,725	4.65	452	10-69	40	482	.03	25	33	
92-16-0027	2341729	546331	10-65	2 305	13,235	4.12	545	36	10,185	4.55	463	12-69	40	508	-.04	20	30	
92-16-0027	2364351	546331	2-66	2 252	11,650	4.81	560	37	9,725	4.65	452	10-69	8 40	389	.05	23	29	
92-16-0027	2374952	546331	7-66	2 305	11,915	4.58	546	36	9,970	4.57	456	11-69	40	394	.03	21	28	
92-16-0027	2403001	546331	11-66	2 305	11,750	4.85	570	34	10,205	4.51	460	2-70	40	355	.07	23	28	
92-16-0054	2240615	557186	12-63	4 305	12,982	4.35	565	30	9,872	4.72	466	3-70	36	541	-.03	22	32	
92-16-0054	2240619	557186	11-63	3 305	11,390	5.18	590	30	9,506	4.79	455	5-69	34	350	.10	26	31	
92-16-0098	2402470	546331	10-66	1 305	13,320	4.97	662	17	11,570	4.46	516	11-68	35	351	.08	24	29	
92-19-0027	2198895	488786	2-63	3 301	12,953	4.41	571	15	9,743	4.50	438	10-69	41	461	.06	27	34	
92-19-0027	2339266	558793	6-65	3 297	12,623	4.18	528	15	9,863	4.49	443	10-69	36	543	-.05	20	31	
92-20-0102	2241583	501586	10-63	3 302	12,427	4.59	571	52	9,080	4.54	412	9-69	8 41	645	-.01	29	41	
92-20-0102	2245961	551811	4-62	5 304	14,188	4.36	618	43	10,156	4.64	471	2-69	35	701	-.05	27	41	
92-20-0102	2324766	554712	10-64	4 259	12,282	3.86	474	44	9,230	4.43	409	3-70	8 37	580	-.09	18	30	
92-20-0102	2480011	546331	7-67	1 305	13,310	3.68	490	40	8,620	4.25	366	9-69	35	551	-.04	21	32	
92-20-5024	2098945	549342	7-61	4 302	13,030	4.77	621	43	10,805	4.86	525	9-69	42	585	-.06	21	33	
92-20-5024	2106454	496783	4-61	1 305	14,210	4.36	620	47	10,010	4.84	484	3-69	36	442	.00	21	29	
92-20-5024	2284610	562387	9-64	3 305	13,640	4.68	638	47	10,610	4.79	508	12-69	33	439	.03	23	30	
92-20-5024	2330662	496783	3-64	2 305	12,980	5.14	667	46	10,275	4.89	502	3-70	40	400	.08	27	33	
92-20-5024	2330667	496783	7-64	3 305	13,057	4.91	641	45	10,830	4.72	511	2-69	42	385	.07	25	31	
92-20-5024	2359215	56																

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB) FAT (%) FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB) FAT (%) FAT (LB)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (LB) FAT (%) FAT (LB)	I N D E X..... FAT (%) FAT (LB) DOL- LARS
92-20-5120	2243812	554712	12-63	1 305 17,060 4.99 851	8 11,310 4.88 552	11-69 27	689 .05 37	\$ 49
92-22-5016	2322892	563656	1-65	3 305 14,066 4.54 638	12 10,130 4.81 487	7-69 39	653 -.10 20	34
92-22-5016	2384347	536977	7-66	1 305 14,150 4.64 657	5 9,560 4.74 453	3-69 26	457 .00 21	29
92-23-0154	1658377	461270	10-54	5 305 15,298 4.50 689	28 10,330 4.64 479	2-69 39	753 -.01 34	48
92-23-0154	1881435	526884	2-58	2 305 12,075 5.17 624	12 9,930 4.68 465	4-69 28	350 .08 24	29
92-23-0154	2203488	549342	5-63	2 304 11,790 4.76 561	29 10,365 4.52 469	12-69 38	462 -.02 19	28
92-23-0154	2287418	546331	11-64	2 224 11,800 4.83 570	27 9,825 4.58 450	8-69 40	395 .06 24	30
92-27-0131	2337061	546331	7-65	3 305 12,730 5.12 652	12 9,320 4.89 456	2-70 42	579 .07 34	43
92-27-0131	2426998	546331	9-67	1 305 11,850 4.80 569	10 8,800 4.97 437	10-69 35	428 .02 22	29
92-27-5025	2092820	549342	4-61	5 302 12,244 5.35 655	8 11,204 4.71 528	7-69 43	442 .05 26	33
92-27-5025	2192609	549342	1-63	4 305 12,795 4.94 632	8 11,135 4.65 518	10-69 42	518 .00 24	33
92-27-5025	2226985	533769	9-63	5 304 15,954 4.15 662	9 11,652 4.64 541	1-70 44	793 -.17 19	36
92-27-5025	2257472	546331	4-64	3 305 13,557 4.62 626	11 11,667 4.65 542	3-69 42	429 .02 22	29
92-27-5037	2242012	563226	1-64	4 305 13,100 5.13 672	10 9,865 4.97 490	10-69 33	461 .08 29	36
92-27-5037	2364144	561417	11-65	2 296 12,510 4.93 617	9 10,250 4.93 505	3-70 30	475 .02 24	32
92-27-5037	2388717	546331	7-66	2 299 13,610 4.56 621	19 10,765 5.09 548	10-69 40	493 -.03 20	29
92-27-5037	2405612	561417	9-66	2 305 14,500 5.10 739	17 10,525 5.09 536	10-69 30	679 .03 35	47
93-07-0002	2260739	501586	2-64	3 305 13,337 5.10 680	26 11,357 4.70 534	3-70 41	512 .05 29	37
93-07-0002	2284558	511244	9-64	4 299 14,908 4.51 673	27 10,890 4.80 523	2-70 43	682 -.10 21	35
93-07-0002	2284567	501586	1-65	3 305 12,020 5.27 634	40 10,347 4.77 494	4-69 41	464 .06 28	35
93-07-0002	2393539	546331	9-66	1 305 14,280 5.28 754	28 11,250 4.76 535	2-69 35	445 .08 29	36
93-07-0002	2393547	546331	1-67	1 305 13,460 4.83 650	19 11,130 4.91 546	8-69 35	391 .03 21	28
93-10-0027	2400555	501586	1-67	1 288 13,780 4.28 590	46 9,570 4.62 442	5-69 35	610 -.05 23	35
93-10-0037	2095067	501766	3-61	2 297 13,255 5.14 681	55 9,515 4.83 460	2-70 H 40	307 .16 30	33
93-10-0037	2269763	501586	1-64	2 305 13,305 3.89 517	62 9,710 4.86 472	5-69 39	644 -.14 16	30
93-10-0037	2383556	501586	8-65	2 298 12,260 4.61 565	63 9,825 4.84 476	4-69 39	525 -.03 21	31
93-10-0037	2425847	501586	3-67	1 305 14,270 4.37 624	85 9,310 4.93 459	11-69 35	665 -.06 25	38
93-10-0167	2245886	549235	12-63	4 301 13,443 4.86 654	13 10,118 4.83 489	7-69 44	715 -.09 24	38
93-10-0167	2254359	555755	3-64	4 295 13,447 4.71 633	23 10,470 4.73 495	11-69 35	418 .02 21	28
93-10-0214	2383341	549235	10-66	1 285 15,550 4.34 675	11 6,560 4.45 292	6-69 36	983 -.14 31	51
93-10-0309	2363686	557914	12-65	2 305 16,490 4.10 676	16 11,600 4.33 502	12-69 29	751 -.09 26	41
93-10-9011	2441281	570573	9-67	1 305 15,850 4.62 732	6 12,730 4.62 588	1-70 23	409 .03 22	29
93-10-9269	2189529	526693	6-62	4 302 13,538 4.72 639	39 11,083 4.51 500	12-68 35	484 .02 24	32
93-10-9269	2292483	508870	7-64	3 301 15,060 3.85 580	44 10,886 4.53 493	10-68 38	666 -.16 14	29
93-10-9269	2314146	508870	5-65	2 305 14,485 4.36 632	47 10,920 4.46 487	1-69 36	540 -.06 19	30
93-10-9269	2341906	557186	8-65	1 305 12,810 5.05 647	52 9,970 4.49 448	10-68 26	365 .09 26	31
93-12-0119	2307638	501586	4-64	2 305 13,995 4.81 673	10 11,365 4.82 548	6-69 39	561 -.01 25	35
93-12-9005	2058566	510014	8-60	4 305 16,518 3.78 624	14 13,145 4.35 572	5-69 39	682 -.17 14	29
93-12-9005	2251708	511244	1-64	4 305 18,368 3.85 707	16 12,393 4.40 545	7-69 43	944 -.20 23	44
93-12-9005	2281070	562275	10-64	3 304 13,777 4.73 652	23 12,100 4.51 546	2-69 32	394 .06 24	30
93-12-9005	2335709	562275	9-65	2 305 16,705 4.08 681	15 12,805 4.35 557	4-69 29	648 -.06 24	37
93-12-9005	2354649	562275	3-66	2 305 15,610 4.21 657	17 12,635 4.38 554	4-69 29	534 -.03 22	32
93-12-9005	2388873	562275	10-66	2 303 14,470 4.87 705	32 11,885 4.54 540	11-69 29	477 .07 29	36
93-12-9005	2434379	570498	1-68	1 305 17,790 4.01 713	15 12,950 4.56 591	3-70 22	605 -.10 18	31
93-19-9063	22674195	508870	10-64	3 305 15,546 4.16 647	8 12,146 4.21 511	4-69 38	586 -.07 20	32
93-24-9062	1836843	526692	9-57	4 305 14,920 4.79 715	90 12,168 4.59 559	1-70 35	515 .05 29	37
93-24-9062	1868037	526692	1-58	4 305 16,330 4.89 799	96 12,213 4.63 566	6-69 35	708 .07 40	52
93-24-9062	1975022	531382	9-59	4 305 15,543 4.50 699	93 12,403 4.63 574	8-69 33	585 -.04 23	34
93-24-9062	2118642	526692	12-61	4 305 15,805 4.78 756	89 12,045 4.63 558	11-69 35	655 .04 35	46
93-24-9062	2182960	550012	11-62	4 303 15,915 4.08 649	92 12,240 4.68 573	10-69 35	674 -.16 15	30
93-24-9062	2224946	550012	9-63	4 305 15,050 4.58 690	75 12,190 4.63 564	2-70 35	557 -.04 22	33
93-24-9062	2237775	489557	10-63	3 305 14,783 4.90 725	102 12,290 4.60 565	9-69 33	333 .09 24	29
93-24-9062	2262758	550012	1-64	3 305 14,386 4.69 674	78 12,093 4.66 563	10-69 33	452 -.01 20	28
93-24-9062	2289483	550012	12-64	2 305 14,735 4.70 692	68 12,065 4.66 562	10-68 30	462 -.01 20	29
93-24-9062	2317783	550012	12-64	3 299 14,636 4.65 680	63 11,670 4.66 544	5-69 33	536 -.02 23	33
93-24-9062	2353048	533769	11-65	2 305 16,550 4.04 668	74 12,270 4.57 561	2-70 40	689 -.17 14	29
93-24-9062	2359887	550012	12-65	1 305 16,740 4.81 806	81 11,920 4.66 555	8-69 25	574 -.01 26	36
93-24-9062	2363712	533769	12-65	1 305 17,640 4.17 736	89 11,310 4.60 520	4-69 36	726 -.15 18	34
93-27-0062	2401260	548347	11-66	1 305 12,830 5.00 641	53 9,960 4.57 455	11-68 23	344 .07 23	28
93-34-9076	2255378	554773	4-64	3 305 14,686 4.65 683	35 12,300 4.41 542	4-69 33	464 .03 25	33
93-34-9076	2379543	570573	11-66	2 305 14,520 4.64 674	41 12,215 4.33 529	1-70 29	401 .07 26	32
93-34-9076	2389852	570573	1-67	1 305 14,160 5.00 708	36 11,540 4.36 503	5-69 23	353 .11 27	32
93-34-9148	2263772	545596	5-64	2 305 14,360 4.69 674	56 11,135 4.71 524	12-69 29	465 .00 22	30
93-34-9148	2294278	552896	12-64	2 305 12,615 4.84 610	57 10,620 4.65 494	7-69 34	554 -.01 25	35
93-34-9148	2320299	552896	3-65	3 305 13,946 4.07 568	62 10,620 4.76 505	10-69 36	741 -.14 20	36
93-34-9148	2320300	552896	5-65	3 300 14,916 4.35 649	49 10,843 4.78 518	8-69 36	839 -.10 28	45
93-34-9148	2330563	552896	4-65	3 305 13,283 4.78 635	42 10,883 4.75 517	6-69 36	627 -.02 27	39
93-34-9148	2330566	552896	5-65	3 305 12,720 4.56 580	59 10,733 4.74 509	12-69 36	572 -.05 21	32
93-34-9148	2337973	552896	8-65	3 303 14,250 4.34 619	63 10,670 4.74 506	11-69 36	774 -.10 26	42
93-34-9148	2349334	562300	9-65	3 305 16,056 4.60 739	58 11,033 4.73 522	12-69 32	771 -.03 33	47
93-34-9148	2349335	552896	9-65	3 305 13,980 4.49 628	47 10,870 4.70 511	4-70 36	717 -.06 27	41
93-34-9148	2360650	545596	11-65	3 292 13,060 5.05 659	51 11,163 4.67 521	3-70 32	334 .08 23	28
93-34-9148	2370407	552896	1-66	1 305 16,010 5.00 800	56 11,410 4.67 533	2-70 28	741 .01 35	48
93-34-9148	2406231	546331	12-66	1 305 13,190 4.97 656	60 10,270 4.65 478	7-69 35	430 .06 26	33
93-34-9148	2411535	552896	11-66	1 286 12,750 4.73 603	60 10,170 4.65 473	7-69 28	561 -.03 23	34
93-39-9015	1967711	516329	3-59	7 301 14,848 4.38 651	68 12,637 4.45 562	5-69 37	444 .00 21	29
93-39-9015	2123070	530378	1-62	3 300 15,030 4.64 698	86 12,620 4.40 555	11-68 34	469 .01 23	31
93-39-9015	2128782	516329	1-62	6 304 14,905 4.35 648	85 12,750 4.38 559	5-69 37	437 .01 21	29
93-39-9015	2157071	512974	5-62	4 301 18,265 3.90 713	109 13,055 4.31 563	4-69 44	748 -.16 18	34
93-39-9015	2167935	552896	7-62	5 302 14,642 4.23 619	96 12,818 4.42 566	3-69 39	600 -.08 20	32
93-39-9015	2174006	552896	9-62	6 296 14,873 4.40 654	86 12,861 4.45 572	10-69 39	628 -.05 24	36
93-39-9015	2189921	552896	12-62	5 299 17,790 4.15 739	114 12,854 4.39 564	7-69 39	1,046 -.11 37	58
93-39-9015	2212654	516329	5-63	4 297 14,785 4.29 634	102 12,302 4.40 541	9-69 36	464 -.01 21	29
93-39-9015	2224361	516329	7-63	4 301 14,872 4.51 671	104 12,345 4.39 542	9-69 36	470 .04 26	34
93-39-9015	2224363	516329	7-63	4 298 17,075 4.28 730	89 12,705 4.33 550	12-69 36	734 -.01 33	46

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT FAT (%) (L8)	LAST T CALVO C MO-YR OC O W REPT (%) MILK (L8)	I N D E X..... FAT (%) FAT (L8)	DOL- LARS
93-39-9015	2224862	516329	8-63	5 298 14,904 4.33 645	84 12,374 4.43 548	9-69	37	486 .00 23	\$ 32	
93-39-9015	2230143	516329	9-63	5 297 14,006 4.63 648	84 12,404 4.43 550	9-69	37	351 .07 23	28	
93-39-9015	2241687	530378	12-63	3 301 19,200 3.70 711	97 13,166 4.29 565	3-69	34	951 -.20 23	44	
93-39-9015	2242894	552896	1-64	4 305 16,387 4.02 658	121 12,832 4.33 556	8-69	37	825 -.12 26	43	
93-39-9015	2292318	561587	7-64	3 304 16,193 4.09 662	95 13,030 4.27 556	1-69	32	488 -.04 19	28	
93-39-9015	2297207	422711	5-64	2 305 17,660 4.11 726	121 12,695 4.29 544	2-69	38	726 -.12 21	36	
93-39-9015	2303196	561489	10-64	3 305 18,030 3.63 655	88 12,717 4.36 555	12-68	29	801 -.20 16	34	
93-39-9015	2303199	552633	10-64	3 305 16,883 4.35 735	118 12,847 4.35 559	10-69	33	657 -.02 28	40	
93-39-9015	2310788	552390	8-64	4 297 18,365 3.86 708	107 12,812 4.39 563	12-69	35	937 -.17 26	46	
93-39-9015	2320307	533769	1-65	4 300 17,162 3.84 659	111 13,322 4.21 561	3-70	44	735 -.18 15	32	
93-39-9015	2320309	552633	1-65	3 297 16,673 3.99 665	128 12,957 4.24 550	3-69	33	616 -.08 20	33	
93-39-9015	2342972	529773	6-65	2 305 17,580 3.91 688	102 13,505 4.18 564	12-69	40	534 -.01 24	34	
93-39-9015	2346898	530378	7-65	3 299 17,170 4.08 701	97 13,130 4.26 559	1-70	34	689 -.09 23	37	
93-39-9015	2378349	533769	5-66	2 295 16,140 4.26 672	125 12,700 4.33 550	9-69	40	608 -.13 15	28	
93-39-9015	2380306	568836	5-66	1 285 16,810 4.37 734	132 12,890 4.27 551	9-69	22	663 -.04 27	40	
93-39-9015	2380654	568836	5-66	2 287 14,300 4.52 646	129 12,620 4.32 545	8-69	28	496 -.01 22	31	
93-39-9015	2380656	564217	5-66	2 290 16,540 4.28 708	132 12,725 4.32 550	9-69	25	522 -.02 22	32	
93-39-9015	2404805	568836	11-66	2 295 18,105 3.68 666	119 13,810 4.08 564	2-70	28	828 -.15 23	41	
93-39-9015	2417497	568836	3-67	1 305 16,170 4.12 667	130 12,640 4.26 538	7-69	22	625 -.07 22	34	
93-39-9015	2418078	568836	3-67	1 305 14,700 4.46 655	125 12,680 4.09 518	5-69	22	488 -.01 22	31	
93-39-9015	2424599	568836	4-67	1 305 20,270 3.39 688	129 12,780 4.26 545	8-69	22	987 -.21 23	45	
93-39-9015	2435562	552896	7-67	1 305 15,770 4.20 663	135 12,990 4.26 554	9-69	28	601 -.06 22	34	
93-39-9015	2446158	571014	10-67	1 305 19,990 3.92 783	67 14,340 4.05 581	4-70	19	582 -.06 21	33	
93-39-9015	2446473	546331	11-67	1 305 17,440 3.93 686	110 14,840 4.06 602	2-70	35	440 .00 20	28	
93-39-9015	2455750	568836	1-68	1 299 18,760 3.46 650	66 14,190 4.07 578	4-70	22	734 -.16 17	33	
93-39-9015	2457212	568836	2-68	1 305 18,710 3.50 655	93 14,510 4.08 592	3-70	22	703 -.16 16	32	
93-40-9049	2364726	546331	6-66	1 305 13,090 5.07 664	11 10,950 4.99 546	11-68	35	376 .05 22	28	
93-40-9049	2408644	556234	5-67	1 305 16,390 5.30 868	9 12,630 4.88 616	7-69	24	383 .09 27	32	
93-40-9049	2408648	556234	12-66	1 305 18,470 5.21 962	9 13,190 4.79 632	4-69	24	523 .10 34	42	
93-40-9049	2443174	546331	7-67	1 305 15,470 4.82 746	14 12,270 5.16 633	9-69	35	466 .00 22	30	
93-49-0099	2296427	529773	11-63	2 305 13,825 4.37 604	30 10,090 4.75 479	3-70	40	465 .01 23	31	
93-49-0175	2367317	557896	6-66	1 305 11,750 4.56 536	17 7,680 4.64 356	4-69	26	520 -.05 19	29	
93-49-0175	2376569	557896	8-66	1 305 11,970 4.59 549	17 7,680 4.64 356	4-69	26	539 -.05 20	31	
93-49-0175	2434902	552687	9-67	1 305 15,260 4.63 706	10 8,140 4.72 384	11-69	24	695 .02 34	46	
93-49-9065	2337349	566236	8-65	3 305 13,650 4.21 575	39 10,383 4.62 480	4-70	32	543 -.08 17	28	
93-49-9065	2351948	566944	1-66	2 305 15,495 4.35 674	37 10,370 4.56 473	7-69	30	724 -.06 27	41	
93-49-9065	2429897	566944	10-66	2 305 15,580 4.35 677	36 10,765 4.53 488	4-70	30	692 -.06 26	40	
93-49-9065	2456465	566944	1-68	1 305 14,760 4.44 656	54 10,110 4.59 464	1-70	24	532 -.05 20	30	
93-50-0271	2288856	491754	11-64	2 289 15,590 4.83 753	12 12,525 4.60 576	3-70	35	637 .01 31	42	
93-50-0271	2361850	549235	12-65	2 305 17,115 4.45 762	15 12,180 4.62 563	2-70	40	843 -.13 25	43	
93-50-0271	2404749	568829	3-67	1 305 16,720 5.29 885	15 13,040 4.82 629	1-70	19	382 .08 26	31	
93-50-9336	2366342	491754	6-66	2 295 12,600 4.54 572	32 9,855 4.91 484	10-69	35	573 -.06 20	31	
93-50-9336	2407690	546331	7-67	1 305 11,950 4.90 586	20 9,120 4.71 430	11-69	35	414 .05 24	31	
93-54-9337	2126897	491754	12-61	1 305 17,480 4.00 700	12 11,650 4.87 567	7-69	31	781 -.14 22	39	
93-54-9337	2213632	491754	6-63	2 305 14,780 4.65 687	6 12,520 4.47 560	3-69	35	549 .00 25	35	
93-54-9337	2483453	565968	7-66	1 305 20,140 4.40 887	12 12,540 4.53 568	2-70	19	750 -.03 32	46	
93-56-0019	2273070	491754	3-64	1 305 15,310 4.04 618	173 11,010 4.49 494	3-70	31	651 -.09 21	34	
93-56-0019	2369190	557896	12-65	1 305 15,720 4.59 722	129 10,350 4.81 498	8-69	26	655 -.06 24	37	
93-56-0019	2369192	557896	12-65	1 305 16,590 4.12 684	178 10,900 4.49 489	3-70	26	688 -.10 22	36	
93-56-0019	2376303	557896	5-66	1 294 14,890 4.48 667	211 10,700 4.71 504	11-69	26	556 -.07 19	30	
93-56-0019	2376304	557896	5-66	1 305 14,740 4.44 655	225 11,030 4.54 501	1-70	26	518 -.06 18	28	
93-56-0019	2390722	536658	8-66	1 305 14,370 5.04 724	217 11,120 4.52 503	1-70	25	352 .09 25	30	
93-56-0019	2409087	557896	9-66	1 305 16,330 3.97 649	208 10,870 4.50 489	2-70	26	668 -.12 19	33	
93-56-0019	2409090	491754	9-66	1 301 16,180 4.55 736	173 11,010 4.49 494	3-70	31	722 -.03 30	44	

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS.

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (L8)	FAT (%)	PRODUCTION FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C O	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	..OOL- LARS	
11-10-0001	5544729	1377802	2-62	6	299	17,615	3.49	614	47	13,910	3.71	516	9-69	39	874	-.02	29	\$ 47
11-10-0001	5680319	1377802	8-62	6	288	17,100	3.32	567	53	14,138	3.66	517	1-70	39	771	-.04	22	38
11-10-0001	5680320	1377803	8-62	5	303	17,894	3.84	687	50	14,118	3.60	508	6-69	38	780	.02	31	46
11-10-0005	4270422	1140998	10-56	4	305	24,380	4.40	1072	30	16,190	3.85	623	11-68	39	1,526	.11	72	99
11-10-0005	7075786	010255163	3-64	2	305	19,930	3.90	777	37	14,330	3.78	542	7-69	40	493	.12	35	42
11-10-0010	6477314	1273756	1-66	2	305	16,355	3.49	571	25	13,070	3.70	484	2-70	40	659	.00	24	37
11-10-0011	6433828	1254887	10-65	3	305	19,833	3.97	787	39	15,330	3.80	583	1-70	42	644	.03	28	40
11-10-0011	6775788	1442659	12-66	2	305	21,310	3.79	808	21	15,865	3.81	604	4-70	32	832	.03	34	50
11-10-0011	6832420	1442659	5-67	1	305	22,650	3.23	732	48	14,790	3.79	560	10-69	26	882	-.05	25	44
11-10-0013	6379728	1440135	10-65	2	304	21,680	3.63	786	22	15,605	3.74	584	6-69	30	825	-.02	27	44
11-10-0013	6379730	1454800	10-65	2	305	20,685	3.88	802	26	15,735	3.68	579	10-69	35	809	.05	37	52
11-10-0013	6676320	1454800	11-66	2	303	21,375	3.81	814	27	17,035	3.76	640	3-70	35	756	.03	32	46
11-10-0013	6771562	1462001	9-66	2	305	21,560	3.76	810	21	16,875	3.74	631	4-70	34	780	-.02	25	41
11-10-0015	6784840	1308429	10-66	1	305	25,460	3.44	876	25	16,810	3.75	631	3-69	36	872	-.08	19	38
11-10-0028	6466179	1454800	9-65	2	303	21,295	3.05	650	12	16,350	3.57	584	3-69	35	815	-.07	19	37
11-10-0028	6526784	1454800	10-65	3	305	22,830	3.20	731	26	16,556	3.71	614	3-70	38	1,052	-.07	27	50
11-10-0028	6806085	1454800	9-66	2	305	20,885	3.79	791	34	17,230	3.64	628	10-69	35	683	.04	31	43
11-10-0032	6443890	1460304	6-65	2	305	16,840	3.89	655	13	11,925	3.70	441	3-70	25	596	.04	27	38
11-10-0033	6310610	1308429	1-65	2	305	23,175	3.52	815	15	14,355	3.43	493	10-68	40	1,093	-.04	33	56
11-10-0038	6459805	1273756	10-65	2	292	18,400	3.33	612	9	14,790	3.51	519	5-69	40	710	.00	25	39
11-10-0042	6037723	1412128	3-64	4	296	21,940	3.23	709	20	14,882	3.56	530	1-70	43	1,027	-.09	23	46
11-10-0069	4829020	1189870	3-59	7	292	18,039	4.24	765	16	15,743	3.88	611	6-69	44	533	.07	30	39
11-10-0069	6657529	1462001	12-65	1	305	23,120	3.58	828	20	14,360	3.79	544	11-68	28	972	-.05	28	48
11-10-0089	6745406	1273756	2-66	1	305	16,320	4.13	674	20	13,850	3.67	508	12-68	36	539	.07	29	38
11-10-0111	6537751	1273756	7-65	3	305	19,303	3.74	722	14	16,480	3.76	620	2-70	42	677	.02	28	41
11-10-0111	6669117	1273756	8-66	2	298	20,370	3.79	772	18	16,995	3.84	653	12-69	40	708	.02	29	42
11-10-0111	6712377	1412128	10-65	3	305	22,690	3.47	788	12	16,573	3.83	634	3-70	42	883	-.08	20	40
11-10-0111	6762540	1273756	1-67	1	305	19,190	3.72	714	13	15,940	3.69	588	8-69	36	613	.03	27	38
11-10-0182	5117380	1119252	7-60	8	299	19,783	3.60	712	10	16,149	3.72	600	12-69	44	654	.01	25	38
11-10-0190	6829024	1273756	12-66	1	305	23,480	3.38	794	16	14,910	3.68	548	10-69	36	1,001	-.01	35	55
11-10-0190	6829027	1330987	4-67	1	305	19,070	3.96	756	15	14,940	3.63	542	10-69	36	660	.07	34	45
11-10-0190	6933051	1330987	7-67	1	305	18,770	3.64	684	15	14,940	3.63	542	10-69	36	638	.04	29	41
11-10-0190	7066601	1330987	1-68	1	296	19,390	3.26	632	15	15,220	3.52	535	1-70	36	665	.01	26	39
11-10-0193	6051242	1199324	12-63	1	296	16,770	3.20	536	7	13,180	3.64	480	5-69	36	773	-.05	20	37
11-10-0195	6495899	1330987	11-65	1	305	17,700	3.97	703	29	15,190	3.77	573	10-69	36	541	.06	28	37
11-11-0035	6166955	1254887	10-64	2	296	20,080	3.52	706	23	13,190	3.66	483	1-69	40	805	-.02	26	42
11-11-0040	6554465	1273756	5-66	1	304	23,550	4.21	992	16	15,450	4.05	626	11-68	H 36	970	.07	45	63
11-11-0040	6621551	1273756	8-66	2	305	20,980	3.67	771	19	14,485	4.00	579	10-69	40	999	.00	36	56
11-12-0007	5262831	1189870	9-60	4	305	20,180	3.77	760	15	14,825	3.64	539	4-69	44	889	.03	37	54
11-12-0007	5443199	1189870	7-61	6	302	17,413	4.07	709	20	15,187	3.60	546	3-69	44	517	.08	30	38
11-12-0007	6362049	1321904	8-64	3	305	20,170	3.33	672	26	13,567	3.50	475	6-69	42	965	-.04	29	49
11-12-0014	6260989	1329588	1-65	2	305	20,890	3.51	733	33	15,985	3.63	581	4-69	40	761	-.04	22	38
11-12-0014	6398374	1329588	6-65	2	305	23,160	3.40	788	21	16,015	3.62	580	11-68	40	988	-.05	28	49
11-12-0014	6565365	1254887	2-66	2	305	21,640	3.55	768	34	15,535	3.61	561	3-69	40	750	-.01	25	40
11-12-0014	6565366	1461213	2-66	3	221	21,660	3.56	771	23	15,556	3.55	552	2-70	8 41	965	-.03	31	51
11-12-0014	6606011	1465412	4-66	2	302	21,055	3.31	697	28	14,845	3.58	532	6-69	29	827	-.05	22	40
11-12-0014	6887666	1273756	5-67	1	305	20,170	3.25	655	26	16,240	3.37	548	8-69	36	666	.01	25	38
11-12-0021	5931695	1330987	9-63	4	305	19,713	3.31	652	24	14,645	3.55	520	2-70	44	940	-.01	33	52
11-12-0021	6406204	1273756	9-65	2	305	18,520	3.56	660	21	14,405	3.51	505	11-69	40	757	.03	31	45
11-12-0028	6907280	1383311	7-67	1	305	23,630	3.65	863	18	16,070	3.68	591	1-70	36	823	-.02	27	44
11-12-0038	6321101	1279868	10-64	2	305	20,700	3.60	745	15	16,320	3.61	589	5-69	38	761	.00	28	43
11-12-0055	6113865	1237057	12-62	3	305	17,537	3.64	638	19	13,357	3.44	459	4-69	42	761	-.02	25	40
11-12-0065	5084375	1242278	12-59	3	305	22,090	3.31	732	8	14,637	3.47	508	7-69	42	966	-.06	26	47
11-12-0076	6358158	1442895	8-65	3	294	20,900	3.36	703	6	15,653	3.58	560	4-70	H 32	823	-.05	22	40
11-12-0092	4844052	1181068	5-59	6	294	22,145	3.46	767	28	16,320	3.85	628	11-68	44	887	-.05	24	43
11-13-0035	6244975	1411214	11-63	4	297	18,768	4.20	788	26	14,445	3.83	553	10-69	43	592	.08	33	43
11-13-0036	5897954	1244185	7-63	2	305	19,025	4.31	820	10	15,065	3.98	599	9-69	40	590	.07	31	41
11-13-0041	6570753	1438758	4-66	2	276	20,000	3.63	725	12	12,760	3.78	482	10-69	8 40	1,124	-.08	29	53
11-13-0048	6198951	1433855	11-64	3	303	17,040	4.28	729	8	14,416	3.86	556	1-70	32	483	.08	29	37
11-13-0051	5898415	1244845	10-63	4	290	21,760	3.67	798	21	16,458	3.81	627	3-69	44	901	-.04	26	45
11-13-0051	6191387	1237057	11-64	3	300	21,770	3.55	772	28	16,620	3.73	620	7-69	42	910	-.06	24	44
11-13-0051	6820968	1199324	10-66	1	305	21,910	3.87	849	27	17,380	3.76	654	7-69	36	874	.00	32	49
11-13-0055	4835759	1024453	1-59	5	288	20,378	3.69	752	17	16,380	3.63	595	2-69	8 44	651	.01	25	38
11-13-0055	5907894	1273756	8-63	3	304	19,552	3.60	704	14	15,762	3.77	594	3-70	44	806	.00	29	45
11-13-0055	6376285	1273756	5-65	3	303	18,406	3.62	666	14	14,126	3.83	541	9-69	42	818	.00	30	46
11-13-0055	6451064	1273756	9-65	2	305	16,505	4.18	690	18	14,690	3.86	567	10-69	40	527	.07	29	38
11-13-0060	6286675	1329588	1-65	3	305	18,177	3.51	638	6	12,973	3.86	501	10-69	42	821	-.05	22	40
11-15-0115	5904361	1289545	9-63	4	299	22,675	3.44	780	35	17,120	3.76	644	4-69	37	1,181	-.07	32	57
11-15-0115	6321																	

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS
11-17-0015	5625732	1395262	6-62	6 303	18,345	3.80	698	28 14,532	3.71	539	3-70	34	821	.04	35	\$ 50
11-17-0015	6648025	1273756	5-66	2 305	17,625	3.68	648	31 15,070	3.67	553	2-70	40	606	.03	26	37
11-17-0032	5281920	1119252	3-60	7 304	15,084	4.57	689	14 12,643	3.75	474	10-68	44	453	.14	37	42
11-17-0032	5585662	1372752	2-62	3 305	21,447	3.57	765	18 15,907	3.75	597	2-70	32	756	-.01	26	41
11-17-0032	6361911	1273756	9-65	2 305	22,320	3.70	825	14 14,480	3.78	548	3-69	40	1,136	.02	44	66
11-17-0036	6313234	1273756	3-65	3 289	20,296	3.59	729	9 15,146	3.66	554	11-69	42	929	.02	36	54
11-17-0036	6402191	1273756	8-65	3 305	17,673	3.83	676	8 14,200	3.62	514	10-69	42	726	.05	34	47
11-17-0036	6594381	1273756	6-66	2 305	17,665	3.72	657	12 14,665	3.60	528	7-69	40	647	.04	29	41
11-17-0053	6630571	1273756	9-66	2 298	17,450	3.72	649	25 14,490	3.89	564	12-69	40	641	.01	25	37
11-17-0053	6860871	1273756	6-67	1 286	19,450	3.73	725	18 13,960	3.78	527	8-69	36	765	.03	32	46
11-17-0080	6124329	1433855	8-64	4 294	16,902	3.67	620	24 12,860	3.71	477	1-70	34	688	.00	25	39
11-17-0087	6773065	1273756	12-66	2 294	18,260	3.87	707	11 14,960	3.82	572	12-69	40	680	.04	30	43
11-18-0003	6305497	1282185	1-65	4 305	22,315	3.93	878	12 18,362	3.61	663	3-70	44	627	.05	30	41
11-18-0003	6305500	1282185	3-65	2 305	24,885	3.87	962	17 18,880	3.56	672	2-69	40	748	.03	32	46
11-18-0003	6320768	1282185	12-64	4 305	26,270	3.06	804	16 18,760	3.65	684	12-69	44	1,071	-.14	18	43
11-18-0003	6655273	1406271	8-66	2 305	21,665	3.67	796	24 18,810	3.57	672	11-69	40	770	.04	34	48
11-18-0003	6810635	1406271	11-66	2 305	23,830	3.36	801	25 19,095	3.59	686	11-69	40	964	-.01	33	52
11-18-0035	6293709	1254887	9-64	3 305	18,813	3.20	602	16 12,720	3.41	434	2-69	42	797	-.05	22	39
11-18-0059	7080312	1273756	8-66	2 289	18,990	3.67	697	18 14,985	3.52	527	1-70	40	752	.04	33	47
11-18-0059	7109126	1282185	8-66	1 305	23,210	3.69	857	18 15,240	3.57	544	4-69	36	698	.00	25	39
11-18-0060	6116019	1273756	5-64	3 305	18,746	3.63	680	31 14,480	3.70	536	9-69	42	820	.02	32	48
11-18-0060	6914386	1273756	10-66	1 305	18,340	4.14	759	38 14,880	3.61	537	7-69	36	621	.08	34	44
11-18-0066	5374074	1119252	7-61	5 305	18,664	4.28	799	15 14,948	3.77	564	6-69	44	649	.12	41	51
11-18-0066	5898468	1345354	6-63	4 305	17,145	4.31	739	12 14,812	3.90	578	3-70	42	437	.11	31	37
11-18-0066	6336110	1273756	4-65	2 305	18,085	3.69	668	15 14,290	3.77	539	8-69	40	723	.02	29	43
11-18-0066	6628772	1273756	5-66	2 305	18,470	3.71	686	9 14,480	3.98	576	10-69	40	745	.01	28	43
11-18-0067	6626732	1273756	8-66	2 305	18,425	3.59	662	39 16,485	3.38	557	2-70	40	557	.05	27	37
11-18-0067	6745150	1273756	11-66	2 305	22,055	3.11	686	42 16,995	3.41	579	1-70	40	879	-.03	27	45
11-18-0088	7014383	1273756	4-66	1 305	20,070	3.65	732	16 14,380	3.60	517	2-69	36	783	.03	33	48
11-18-0088	7061555	1273756	6-66	2 303	15,585	4.01	625	16 13,130	3.69	485	6-69	40	576	.06	30	40
11-18-0099	5716324	1343385	11-62	5 300	17,694	3.55	628	37 13,578	3.59	488	3-70	36	705	.00	25	39
11-18-0125	5696471	1237057	10-62	5 305	19,442	4.05	788	15 15,836	3.69	585	2-70	44	766	.03	32	46
11-18-0125	5696472	1268297	10-62	4 299	17,065	4.00	682	26 14,863	3.57	531	8-69	43	445	.12	33	39
11-18-0125	6356554	1273756	6-65	3 305	18,093	3.45	625	28 14,886	3.51	523	7-69	42	703	.01	27	41
11-18-0125	6418883	1273756	12-65	1 305	19,800	3.40	673	32 15,390	3.52	541	9-68	36	695	.01	27	40
11-18-0125	6617591	1237057	6-66	1 305	24,130	2.89	697	30 15,130	3.54	535	9-68	36	995	-.12	18	41
11-18-0125	6617592	1237057	7-66	2 305	22,470	3.66	823	24 16,825	3.55	597	10-69	40	899	-.02	29	47
11-18-0136	5354935	1244185	10-60	3 305	20,017	3.86	773	90 15,000	3.70	555	12-68	42	766	.04	33	47
11-18-0136	5717789	1215958	1-62	5 305	18,668	3.67	685	95 14,822	3.65	541	12-69	43	774	.00	28	43
11-18-0136	5807775	1350190	12-61	3 305	21,203	3.56	755	80 15,540	3.70	575	12-68	42	903	-.06	24	43
11-18-0136	6440703	1237057	10-64	3 305	20,567	3.57	734	158 14,810	3.69	546	6-69	42	959	-.05	27	47
11-18-0136	6526449	1417208	9-65	2 305	23,615	3.37	796	184 15,020	3.64	547	8-69	40	1,292	-.03	42	68
11-18-0136	6632180	1437730	7-65	2 298	21,365	3.85	823	92 15,405	3.65	562	5-69	29	863	.04	37	53
11-18-0136	6694588	1398216	2-66	1 305	25,230	3.01	759	181 15,910	3.61	575	10-69	35	1,053	-.11	21	45
11-18-0136	7050363	1437730	7-67	1 305	21,840	3.74	817	159 15,320	3.60	552	8-69	24	741	.02	29	43
11-20-0002	5879162	1411214	8-63	4 298	20,003	3.89	779	27 16,100	3.70	595	12-69	43	561	.05	27	37
11-20-0002	6792478	1312008	3-67	1 305	22,390	4.11	920	32 17,060	3.75	639	10-69	36	541	.10	34	42
11-20-0004	5919606	1290961	10-63	3 305	19,730	3.90	770	13 16,670	3.49	581	9-69	34	603	.06	31	41
11-20-0004	6694219	1330987	7-66	2 305	20,460	3.40	696	22 16,425	3.55	583	10-69	40	758	.02	30	45
11-20-0015	6119249	1199324	4-64	3 305	15,360	3.73	573	25 12,706	3.79	482	6-69	42	755	-.02	25	40
11-20-0041	6806962	1273756	12-66	1 305	18,660	4.07	760	27 15,020	4.03	606	11-68	36	635	.04	29	41
11-20-0066	5978168	1413087	9-63	4 299	20,190	3.91	789	31 16,035	3.85	617	1-70	36	616	.05	29	40
11-20-0066	5978169	1413087	9-63	5 301	19,206	4.13	793	34 15,668	3.84	602	12-69	37	547	.09	33	42
11-20-0066	6364803	1413087	4-65	3 298	21,483	3.52	757	30 15,426	3.75	578	7-69	34	818	-.01	28	44
11-20-0066	6697612	1273756	7-66	2 300	17,550	3.91	686	42 15,525	3.74	581	6-69	40	556	.05	27	37
11-20-0066	6697613	1273756	8-66	2 304	18,325	3.88	711	47 15,320	3.72	570	9-69	40	654	.05	31	43
11-20-0066	6987153	1475066	7-67	1 305	22,280	3.61	805	45 14,700	3.83	563	8-69	23	896	-.04	26	45
11-20-0119	6726224	1438758	7-66	2 305	21,325	3.24	691	22 15,850	3.63	575	2-70	40	975	-.12	17	39
11-21-0003	6376749	1273756	9-65	3 305	19,813	3.57	708	16 15,696	3.85	605	10-69	42	817	-.01	28	44
11-21-0003	6606204	1273756	12-65	2 305	19,990	4.00	800	10 17,180	3.81	654	3-70	40	653	.06	32	44
11-21-0003	6606205	1273756	2-66	2 305	20,775	3.77	783	13 17,605	3.68	647	3-69	40	694	.04	31	44
11-21-0007	6355231	1244185	6-65	2 305	18,695	4.10	766	26 14,765	3.83	565	12-68	40	584	.05	28	38
11-21-0007	6591307	1273756	2-66	2 301	17,315	3.77	652	34 14,350	3.90	559	9-69	40	640	.02	26	38
11-21-0007	6776403	1451531	11-66	1 305	21,990	3.75	824	34 15,380	3.84	591	1-69	24	711	.00	26	40
11-21-0014	5116612	1325251	8-59	5 295	19,164	3.72	712	42 15,484	3.55	550	12-69	35	609	.03	26	37
11-21-0014	6325045	1273756	3-65	3 305	17,903	3.79	678	43 14,726	3.57	525	7-69	42	698	.05	33	46
11-21-0018	5541089	1244185	3-62	4 300	18,378	3.40	624	11 13,320	3.81	507	4-69	43	787	-.04	22	39
11-21-0018	6428259	1273756	12-65	2 304	18,365	4.06	745	18 15,500	3.82	592	12-69	40	641	.06	32	43
11-21-0047	6951282	1273756	2-67	1 305	18,450	3.26	601	6 12,890	3.61	465	9-69	36	762	.00	27	42
11-21-0048	6355232	1411214	7-65	2 305	23,795	4.19	997	22 16,010	3.88	621	3-69	40	866	.08	43	58
11-21-0048	6360273	1273756	1-65	3 305	19,940	3.85	768	22 15,343	3.88	596	6-69	42	868	.03	36	52
11-21-0048	6591306	1273756	12-65	2 305	20,040	3.32	665	23 15								

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT (%)	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS	
11-23-0025	5688081	1386097	8-62	3	305	18,137	3.57	647	13	12,713	3.70	471	11-68	29	756	-.02	25	\$ 40
11-23-0033	5496540	1141072	11-61	5	305	21,188	3.66	775	7	16,632	3.79	631	10-69	39	839	-.02	27	44
11-23-0036	5504530	1189870	9-61	4	305	20,255	4.31	873	35	18,095	3.91	708	11-69	44	535	.09	32	40
11-23-0036	5817584	1287412	4-63	4	305	22,110	4.06	898	33	17,567	3.90	685	4-69	41	635	.07	33	44
11-23-0036	6650269	1454800	11-66	2	305	23,370	3.95	923	32	18,710	3.93	735	1-70	35	810	.03	34	49
11-23-0048	5750940	1199324	12-62	4	284	18,930	3.57	676	21	15,560	3.66	570	11-69	8 44	889	-.02	29	47
11-23-0051	6101649	1329588	2-64	4	305	21,455	3.58	768	13	14,595	3.86	563	3-70	44	1,083	-.05	32	55
11-23-0063	6284995	1303502	2-65	3	305	20,850	3.89	812	19	16,946	3.63	615	11-69	42	592	.05	28	39
11-23-0063	6828866	1261857	2-67	1	305	20,980	3.44	722	14	15,830	3.61	571	7-69	36	868	.05	38	54
11-23-0064	6707824	1389471	5-66	1	305	26,050	3.61	941	19	17,110	3.52	603	1-70	36	929	-.03	29	48
11-23-0094	6415319	1273756	10-65	3	305	19,920	3.61	719	5	16,243	3.77	612	1-70	42	773	.01	29	44
12-10-0106	6955473	1273756	7-67	1	305	17,920	4.03	722	10	14,850	3.82	568	12-69	36	591	.05	29	39
12-10-0116	6857598	1273756	10-66	1	305	19,160	3.72	713	24	14,490	3.94	571	10-69	36	708	.02	28	42
12-11-0102	5898639	1229162	9-63	4	298	19,625	3.78	741	26	13,853	3.97	550	3-70	43	628	.06	31	42
12-11-0107	5765238	1222994	9-62	4	302	18,538	3.47	644	21	13,650	3.63	496	4-70	44	885	-.02	29	47
12-11-0108	6027239	1085978	11-62	4	305	18,103	3.60	652	28	14,695	3.68	541	8-69	44	858	-.03	26	44
12-11-0108	6431339	1244009	1-66	2	305	18,565	3.59	667	18	15,115	3.85	582	2-69	40	800	-.06	20	37
12-11-0119	5682918	1199324	12-60	6	296	17,623	3.60	634	26	14,691	3.74	549	1-70	8 44	835	-.03	26	43
12-11-0119	5705699	1354453	4-62	5	291	20,184	3.74	755	16	16,522	3.68	608	12-69	8 35	669	.03	28	41
12-11-0119	5782721	1407969	3-63	5	282	18,738	3.86	724	19	15,798	3.82	604	3-70	8 34	623	.02	25	37
12-11-0119	6222322	1407969	9-64	4	299	17,922	4.01	719	24	15,160	3.77	571	9-69	32	573	.05	28	38
12-11-0121	5388813	1189870	8-61	6	305	21,552	3.56	767	35	15,598	3.74	584	9-69	44	1,003	-.02	33	53
12-11-0121	5553384	1358587	3-62	6	305	19,558	3.69	722	37	15,867	3.76	596	1-70	36	705	.00	26	40
12-11-0129	6830243	1273756	8-66	2	305	19,110	3.67	701	69	13,480	3.95	533	8-69	40	902	.00	33	51
12-11-0167	6175853	1254887	2-63	3	305	21,973	3.37	741	6	12,967	3.66	474	5-69	42	1,135	-.05	34	58
12-12-0112	6503824	1199324	8-65	3	303	19,303	3.82	738	22	15,820	3.94	623	3-70	42	886	-.02	29	47
12-12-0115	5846615	1254887	11-62	4	300	19,003	4.08	775	20	14,845	3.99	592	2-70	44	632	.03	27	39
12-12-0115	5889161	1254887	10-62	3	305	20,440	3.68	753	23	14,003	3.96	555	12-68	42	851	-.03	27	44
12-12-0115	6489164	1447750	11-65	2	292	17,030	4.20	715	29	14,385	3.96	570	12-68	38	602	.04	27	38
12-12-0115	6761200	1447750	10-66	2	305	19,165	3.57	684	32	14,980	3.94	590	12-69	38	771	-.04	22	38
12-12-0115	6767260	1273756	10-66	2	305	18,495	3.68	681	36	14,930	3.93	587	11-69	40	707	.00	26	40
12-12-0160	5464793	1229162	10-61	3	305	20,740	4.04	837	15	13,163	3.84	506	5-69	42	782	.11	45	58
12-12-0173	6476658	1273756	1-66	2	304	17,700	3.49	617	18	13,030	4.00	521	7-69	40	800	-.02	26	42
12-13-0113	4489568	1246708	12-57	8	305	20,193	3.71	750	11	17,485	3.75	655	12-69	39	690	.02	28	41
12-13-0113	4767484	1246708	11-58	7	305	22,944	4.33	993	11	17,712	3.81	674	1-69	39	1,054	.15	61	78
12-13-0113	4767485	1246708	11-58	8	305	20,232	4.41	892	12	17,643	3.76	663	2-70	39	675	.16	48	57
12-13-0113	5535751	1246708	12-61	6	304	20,005	3.93	787	9	17,625	3.68	648	6-69	39	645	.08	35	46
12-13-0113	5567978	1189870	12-61	5	305	23,798	3.54	842	14	18,532	3.73	692	4-69	44	952	-.03	30	50
12-13-0113	5860270	1399902	3-63	4	305	24,480	3.51	860	15	18,340	3.78	694	10-69	34	1,055	-.04	32	54
12-13-0113	6291468	1447750	12-64	3	302	22,500	3.53	795	20	18,000	3.87	696	1-70	40	893	-.06	24	43
12-13-0114	5668656	1349319	5-62	4	305	18,923	3.77	714	6	14,765	3.70	547	7-69	43	686	.00	25	39
12-13-0146	7043970	1417208	8-67	1	305	21,250	3.67	779	44	16,250	3.98	646	10-69	36	824	-.01	28	45
12-13-0154	5691621	1398315	11-62	5	305	21,980	3.64	800	25	17,550	3.77	661	3-70	36	860	-.03	26	44
12-13-0154	6416221	1449678	7-65	3	298	20,530	3.71	762	29	17,836	3.69	658	10-69	32	621	.02	25	37
12-13-0154	6416224	1449678	10-65	3	300	23,256	3.78	880	20	18,710	3.58	670	1-70	32	882	.05	39	55
12-13-0154	6444689	1449678	9-65	2	305	21,140	3.89	823	32	17,725	3.62	641	12-68	29	666	.06	33	45
12-13-0154	6444691	1449678	9-65	3	289	21,956	3.69	811	31	17,986	3.65	656	10-69	32	795	.02	32	47
12-13-0154	6670598	1449678	10-66	2	291	21,775	3.67	800	30	17,835	3.62	645	9-69	29	730	.02	29	43
12-13-0155	6814996	1261857	11-66	1	305	19,710	3.58	706	32	18,100	3.58	648	7-69	36	621	.07	32	43
12-13-0155	6814997	1261857	11-66	1	294	20,790	3.46	720	34	18,060	3.58	647	9-69	36	704	.05	33	46
12-13-0171	6489660	1254887	1-66	2	305	20,900	3.38	706	28	13,765	3.68	506	10-69	40	836	-.04	24	42
12-13-0174	6041576	1287883	2-64	4	279	19,842	3.93	780	14	15,900	3.76	598	2-70	8 35	548	.07	30	39
12-13-0174	6697708	1461939	9-66	2	290	21,020	3.97	835	25	16,195	3.86	625	11-69	8 28	761	.03	32	46
12-13-0180	6955692	1398363	6-67	1	305	20,480	3.60	738	10	14,090	3.68	518	11-69	35	702	.00	26	40
12-13-0194	5678366	1397517	11-62	4	305	21,415	4.39	941	20	16,310	3.87	631	10-68	44	551	.14	40	47
12-13-0194	5933646	1234506	9-63	3	305	24,233	3.49	846	18	15,787	3.76	594	3-69	42	1,321	-.10	33	62
12-13-0201	5701663	1376785	11-62	6	295	19,478	3.68	716	7	17,480	3.59	628	1-70	38	669	.02	27	40
12-13-0201	6739353	1375967	8-66	2	305	23,065	3.34	771	13	17,430	3.47	605	9-69	40	936	-.11	18	39
12-13-0205	6108188	1279868	9-63	1	305	23,970	3.55	850	17	19,010	3.34	635	1-70	33	719	.02	29	43
12-13-0205	6819814	1441695	8-65	2	305	20,940	3.62	757	11	18,235	3.44	628	9-68	30	680	-.01	23	37
12-13-0205	6819819	1441695	9-66	2	305	21,755	3.78	823	6	17,855	3.41	608	4-70	30	817	.02	33	49
12-13-0208	6745820	1407266	1-67	2	304	22,515	3.24	729	7	14,950	3.67	548	3-70	40	772	-.05	20	37
12-13-0210	6693053	1254887	9-66	2	305	23,845	3.55	847	38	16,250	3.70	601	2-70	40	908	-.02	30	48
12-13-0225	6141892	1388206	9-64	3	303	20,960	3.72	780	15	17,100	3.44	588	3-69	31	895	.05	39	56
12-13-0225	6611988	1322069	4-66	2	305	22,240	3.34	742	21	15,845	3.28	520	8-69	40	691	.00	25	39
12-13-0225	6739846	1281479	1-67	2	305	24,895	3.38	842	16	17,695	3.33	590	3-70	40	830	.04	36	51
12-13-0249	5968648	1244009	10-63	4	305	20,945	3.47	726	28	14,783	3.67	542	1-70	44	1,184	-.06	33	58
12-13-0249	6542253	1254887	8-65	3	305	19,907	3.46	689	25	14,283	3.65	522	1-70	42	761	-.03	23	39
12-13-0249	68667																	

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	..OOL- LARS
12-15-0119	6620911	1406271	9-66	2 291	19,045	3.36	639	52 15,730	3.86	607	10-69	40	786	-.03	24	\$ 40
12-15-0119	6705893	1406271	12-66	2 304	22,500	3.62	814	31 18,460	3.81	703	2-70	40	887	-.01	33	50
12-15-0119	6705894	1406271	1-67	1 305	22,860	3.28	750	31 18,710	3.74	699	3-69	36	803	-.01	27	43
12-15-0122	5889947	1011980	10-62	5 300	18,844	3.54	668	39 14,288	3.78	540	9-69	44	736	-.01	25	40
12-15-0122	6481042	1273756	8-65	2 284	16,800	3.60	605	38 13,400	3.64	488	8-69 H	40	674	.03	28	41
12-15-0122	6481043	1273756	8-65	2 305	17,750	3.54	628	34 14,020	3.69	518	10-69	40	714	.01	27	41
12-15-0148	5622205	1184891	5-62	6 305	19,835	3.64	722	28 15,622	3.71	579	3-70	44	560	.05	27	37
12-15-0148	6812458	1273756	8-65	2 305	18,330	3.67	673	22 14,935	3.68	550	3-69	40	689	.03	29	42
12-15-0151	6232410	1430145	8-64	4 303	18,980	3.85	731	19 13,935	3.96	552	3-70	37	1,045	.02	40	60
12-15-0155	6038589	1281479	12-63	3 305	17,770	4.00	710	14 13,740	3.88	533	10-69	42	523	.08	30	38
12-15-0163	5940799	1254887	10-62	3 305	18,927	4.56	864	18 14,923	4.00	597	4-69	42	582	.10	36	45
12-15-0188	6258396	1313490	8-64	4 305	23,838	3.46	824	23 15,703	3.71	582	9-69	44	1,238	-.06	35	61
12-16-0101	6064181	1254887	3-64	4 296	19,505	3.59	700	21 15,023	3.60	541	8-69	44	675	.00	24	37
12-16-0101	6355879	1273756	7-65	2 305	19,280	3.62	697	23 14,665	3.65	535	1-69	40	810	.02	32	48
12-16-0101	6795517	1273756	5-67	2 294	18,890	3.56	672	28 16,135	3.63	585	4-70	40	637	.01	25	37
12-16-0131	5870339	1254887	4-63	3 305	23,113	4.01	927	44 15,137	3.72	563	11-68	42	1,041	.06	46	65
12-16-0131	6153899	1427972	6-64	4 301	19,725	3.57	705	36 15,200	3.63	552	6-69	35	735	-.01	25	40
12-16-0156	6971107	1273756	3-66	1 305	16,660	3.64	607	9 11,970	3.65	437	6-69	36	690	.03	29	42
12-16-0156	7033578	1273756	4-66	2 305	15,675	3.52	551	6 12,050	3.67	442	7-69	40	684	.01	26	39
12-16-0162	6880342	1348259	1-67	1 305	18,760	3.53	663	14 14,820	3.64	540	3-69	36	663	.00	24	37
12-16-0162	6880343	1348259	4-67	1 305	20,020	3.51	703	26 15,290	3.58	547	7-69	36	726	.00	26	40
12-17-0107	5902182	1199324	11-63	4 304	18,407	3.41	627	10 15,607	3.67	573	4-69	44	820	-.05	22	40
12-17-0115	6445630	1254887	12-64	3 300	20,043	3.52	706	14 15,293	3.56	544	3-69	42	672	-.01	23	37
12-17-0115	6753822	1273756	8-66	1 305	19,830	3.66	726	14 16,900	3.64	616	1-69	36	596	.03	26	37
12-17-0115	6753825	1254887	5-66	2 304	21,600	3.53	762	12 16,270	3.58	583	10-69	40	678	-.01	23	37
12-17-0140	6986740	1376785	7-67	1 305	24,550	3.27	804	19 19,420	3.82	742	10-69	27	867	-.06	22	41
12-17-0145	6023136	1254887	2-64	4 305	20,050	3.77	756	32 16,065	3.69	592	10-69	44	626	.02	25	37
12-17-0145	6531549	1273756	2-66	2 305	21,710	3.57	775	49 17,895	3.67	656	12-69	40	762	.01	29	44
12-17-0145	6675564	1070036	6-66	2 302	20,925	3.79	794	46 17,895	3.65	653	11-69	40	638	.08	34	45
12-18-0106	6405329	1254887	10-65	1 305	23,400	3.68	861	24 15,890	3.87	615	1-70	36	695	-.01	23	37
12-18-0116	6611806	1273756	8-66	2 305	15,430	3.83	591	31 13,310	3.57	475	3-70	40	544	.05	27	37
12-18-0156	6659976	1273756	9-66	1 305	16,950	4.22	716	5 12,760	4.11	525	5-69	36	659	.05	31	43
12-18-0156	6659977	1273756	11-66	2 305	19,505	3.80	742	8 14,675	3.82	560	4-70	40	832	.03	35	51
12-18-0159	6106964	1329588	3-64	3 288	18,703	3.41	637	29 12,923	3.68	476	6-69	42	887	-.05	24	43
12-18-0159	6739120	1446334	11-66	2 305	18,335	3.51	644	15 13,635	3.63	495	4-70	29	663	.00	24	37
12-18-0162	5765775	1398610	11-62	3 305	20,840	3.35	698	30 15,283	3.59	549	1-70	31	844	-.04	24	42
12-18-0181	5536787	1179372	2-61	5 305	18,430	3.52	648	10 14,934	3.52	525	8-69	44	669	.01	25	38
12-18-0181	5536789	1179372	2-62	4 305	20,873	3.12	652	15 14,925	3.36	501	9-69	44	955	-.05	27	47
12-18-0197	6685063	1273756	5-66	2 302	21,695	3.41	739	18 17,395	3.87	674	9-69	40	806	-.03	24	41
13-01-0004	5276585	1360314	10-60	8 294	17,265	3.71	641	17 13,660	3.50	478	12-69	36	694	.01	26	40
13-01-0022	5876059	1377802	7-63	4 303	17,760	3.26	579	24 15,032	3.41	513	1-70	37	735	-.02	24	39
13-01-0022	6118730	1377802	3-64	2 300	17,335	3.42	593	19 14,935	3.36	502	3-70	34	656	.02	26	39
13-01-0137	6163764	1273756	1-64	4 249	16,515	3.74	617	29 14,640	3.48	509	3-70	8 44	556	.05	28	38
13-01-0144	5291399	1085978	11-60	8 300	18,549	4.22	782	27 15,720	3.71	583	2-70	44	810	.07	39	53
13-01-0144	5465339	1317292	8-61	5 301	18,906	3.92	741	24 15,772	3.66	577	1-69	39	650	.04	30	42
13-01-0144	5723434	1085978	9-62	4 301	22,188	3.49	775	34 15,160	3.76	570	11-69	44	1,311	-.06	38	66
13-01-0144	6052091	1221835	7-63	3 305	19,053	3.79	723	33 16,187	3.69	598	3-69	42	681	.00	24	38
13-01-0144	6260783	1431557	12-64	4 299	19,447	3.65	710	36 15,967	3.71	593	12-69	37	770	-.05	21	37
13-01-0144	6791051	1383311	12-66	2 291	21,825	3.46	756	35 16,270	3.70	602	12-69	40	817	-.05	22	39
13-01-0149	6173858	010229512	8-60	5 293	18,188	3.32	604	18 14,514	3.44	499	12-69	44	589	.03	26	37
13-01-0149	6514787	1350190	11-65	2 301	20,865	2.80	585	15 13,240	3.38	448	8-69	40	1,009	-.14	16	39
13-01-0202	6402112	1436876	10-64	3 305	19,410	3.74	726	45 15,153	3.52	533	1-70	29	624	.04	28	39
13-01-0202	6445471	1330987	11-64	3 304	18,503	3.50	647	30 15,137	3.54	536	4-69	42	714	.02	29	43
13-01-0202	6549297	1330987	9-65	2 305	21,100	3.17	668	35 15,025	3.57	536	3-69	40	951	-.02	31	50
13-01-0202	6941444	1458744	8-67	1 302	20,420	3.40	694	39 16,420	3.51	577	2-70	36	875	-.02	28	46
13-01-0203	6165213	1330987	10-64	4 305	20,150	4.35	876	42 17,573	3.55	624	10-69	44	669	.17	49	58
13-01-0203	6430699	1454679	10-65	3 305	27,020	3.42	924	37 18,440	3.61	665	1-70	33	1,455	-.08	40	71
13-01-0203	6935922	1489372	8-67	1 305	28,640	3.24	927	33 19,240	3.64	700	11-69	19	944	-.07	24	44
13-01-0211	4634158	960472	4-58	3 305	18,860	3.41	644	5 13,823	3.59	496	7-69	41	1,116	-.09	27	51
13-01-0214	5631635	1244845	7-62	3 305	19,563	3.39	663	43 13,927	3.61	503	11-68	42	868	-.06	22	41
13-01-0214	6016994	1340669	1-64	4 292	19,375	3.59	695	42 14,700	3.58	526	4-69	44	831	-.07	20	38
13-01-0214	6162719	1239886	7-64	4 301	19,195	3.74	717	53 15,120	3.56	538	12-69	44	655	.06	32	44
13-01-0214	6204054	1417208	1-65	2 305	18,290	4.03	737	47 14,330	3.55	508	1-69	40	814	.07	39	53
13-01-0214	6471531	1330987	1-66	1 305	19,610	3.51	688	63 14,460	3.60	520	11-68	36	732	.03	31	45
13-01-0220	6262450	1294703	12-64	3 303	18,590	3.07	571	30 13,773	3.33	458	9-69	42	942	-.08	22	43
13-01-0223	6770379	1290716	9-66	1 94	20,530	3.44	706	19 15,400	3.42	526	1-69	8 35	574	.09	34	43
13-01-0269	5951398	1239886	9-63	4 277	22,510	3.80	856	18 17,008	3.45	587	10-68	44	854	.09	44	59
13-01-0269	6796183	1348259	12-66	1 285	23,210	2.81	653	14 17,230	3.37	580	2-69	36	833	-.07	20	38
13-01-0269	6805398	1221835	7-65	2 305	25,065	3.14	788	19 17,610	3.42	602	11-68	40	1,131	-.08	29	53
13-01-0313	5904682	1085978	5-63	4 304	21,423	3.58	767	18 18,365	3.53	649	2-69	44	860	-.01	29	46
13-01-0313	5912556	1245520	9-63	5 305	22,296	3.46	771	23 18,554	3.50	649	4-70	44	790	-.05	21	38
13-01-0313	6240907	1085978	9-64	3 305	20,377	3.56										

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW SCRN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	LAST CALVO MO-YR	T C REPT	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	..... OOL- LARS
13-01-0406	5567995	1240125	12-61	6 304	23,313	3.24	756	24 16,632	3.57 593	12-69	44	1,174	-.08	30	\$ 55
13-01-0406	6603440	1348259	4-66	2 305	18,825	3.47	653	27 16,075	3.46 556	1-70	40	642	.01	24	37
13-01-0410	5504356	1244845	10-61	5 305	19,722	3.46	683	38 15,152	3.74 566	12-68	44	817	-.06	20	38
13-01-0411	5465338	1317292	8-61	4 301	19,503	3.80	741	40 16,335	3.58 584	3-70	37	642	-.03	28	40
13-01-0411	6077406	1379345	8-63	3 305	21,487	3.24	697	18 15,647	3.52 551	5-69	36	1,032	-.08	25	48
13-01-0411	6198348	1431557	7-64	4 303	20,120	3.68	741	53 15,662	3.59 563	12-69	37	900	-.02	29	47
13-01-0411	6381699	1431557	8-65	3 299	20,166	3.15	636	55 15,326	3.54 542	11-69	36	914	-.11	16	37
13-01-0412	6861013	1458744	3-67	1 305	18,500	3.41	631	48 16,160	3.53 570	12-69	36	749	-.02	24	39
13-01-0417	6089231	1085978	12-63	3 305	25,023	3.16	790	14 14,917	3.48 519	7-69	42	1,611	-.09	44	78
13-01-0417	6537509	1278644	8-65	2 305	20,650	3.28	678	17 14,635	3.49 511	9-69	40	996	-.09	23	45
13-01-0422	6814602	1471689	7-66	2 305	22,620	4.09	925	21 18,340	3.64 668	10-69	25	597	.09	35	45
13-01-0423	6347296	1231982	8-65	3 294	20,153	3.82	770	60 15,680	3.67 576	11-69	42	728	.03	30	44
13-01-0423	6604794	1431557	5-66	2 305	24,375	3.57	869	53 15,605	3.63 566	11-69	33	1,300	-.05	39	66
13-01-0428	6509405	1312008	10-65	2 305	23,680	3.31	783	9 17,365	3.60 625	3-69	40	789	.00	29	45
13-01-0534	5258267	1308429	12-60	6 304	22,970	3.08	708	27 15,755	3.46 545	10-69	44	1,134	-.13	22	48
13-01-0534	5461785	1085978	8-61	4 230	16,255	3.38	549	41 13,453	3.47 467	9-68	8 44	768	-.04	22	38
13-01-0534	6207060	1237057	11-64	3 301	22,897	3.24	742	65 15,360	3.47 533	9-69	42	1,170	-.09	29	54
13-01-0534	6720478	1278644	9-66	1 305	24,240	3.08	747	64 16,510	3.44 568	10-69	36	997	-.10	21	43
13-01-0534	6982467	1458744	10-67	1 305	22,440	3.16	710	62 16,850	3.48 586	9-69	36	996	-.05	29	50
13-01-0620	6072479	1239886	3-64	1 305	23,310	3.59	837	15 15,390	3.62 557	6-69	36	755	.03	32	46
13-01-0620	6507533	1348259	10-65	1 305	19,830	3.77	748	21 14,280	3.64 520	10-69	36	779	.02	31	46
13-01-0620	6507534	1348259	2-66	1 305	21,770	3.70	806	21 14,970	3.64 545	11-69	36	878	.02	34	51
13-01-0728	5861999	1085978	8-62	6 293	17,703	3.50	619	14 13,693	3.63 497	11-69	44	936	-.04	28	48
13-01-0808	6053137	1278644	9-63	3 305	20,640	3.24	669	21 15,070	3.44 518	12-69	42	1,019	-.09	24	46
13-01-0808	6907606	1261857	5-67	1 302	18,330	3.92	719	22 16,510	3.38 558	11-69	36	625	.11	39	49
13-01-0816	6058322	1192713	3-64	4 302	17,138	3.33	570	33 13,948	3.50 488	10-69	44	738	-.03	22	37
13-01-0816	6796704	1222994	8-66	2 305	19,905	3.30	656	28 15,225	3.51 535	1-70	40	789	-.04	23	40
13-01-0827	5740633	1239886	12-62	4 305	21,103	3.49	737	12 13,850	3.36 466	8-69	44	1,031	.03	42	62
13-01-0827	5958387	1278644	12-63	3 303	19,410	3.15	611	10 14,513	3.50 508	3-69	42	935	-.11	18	39
13-01-0827	5958389	1239886	11-63	3 303	23,253	3.23	751	13 13,633	3.48 474	11-69	42	1,243	-.03	41	66
13-01-0827	6308126	1085978	12-64	3 300	21,593	3.60	777	13 14,580	3.45 503	1-70	42	1,252	-.01	44	69
13-01-0907	5809773	1085978	12-62	5 303	22,904	3.30	755	31 16,128	3.52 568	10-69	44	1,324	-.07	37	65
13-01-0907	5820382	1085978	1-63	5 299	19,978	3.48	695	34 16,452	3.54 582	10-69	44	909	-.03	28	47
13-01-0907	6419195	1278644	9-65	3 298	22,790	3.20	729	16 17,257	3.59 620	2-70	42	1,040	-.12	20	44
13-01-0920	6547608	1278644	1-66	2 305	21,660	3.55	770	20 16,975	3.38 573	9-69	40	885	-.03	27	45
13-02-0001	6813036	1348259	1-67	1 305	18,690	3.81	713	12 13,870	3.87 537	9-69	36	722	.01	28	42
13-02-0017	6013378	1244845	12-63	4 298	20,028	3.57	714	29 15,395	3.75 578	1-70	44	805	-.05	22	39
13-02-0021	5053812	1085978	2-60	7 298	18,749	3.69	691	19 15,093	3.82 577	2-69	8 44	908	-.03	28	47
13-02-0025	5625179	956081	9-61	6 301	17,592	3.79	666	19 13,305	3.77 501	12-69	44	709	.00	26	40
13-02-0025	5865696	1239886	8-63	4 305	17,213	4.34	747	18 13,705	3.82 524	9-69	44	567	.11	37	45
13-02-0025	6713982	1318259	7-66	2 305	18,035	4.49	809	23 14,740	3.81 562	11-69	25	427	.12	32	38
13-02-0066	5572003	1085978	3-62	6 305	16,550	3.71	614	20 14,330	3.70 530	10-69	44	713	-.02	23	38
13-02-0071	6515623	1148993	3-66	2 305	23,885	3.79	906	17 17,440	3.76 655	10-69	39	917	.03	38	55
13-02-0085	5827948	1085978	4-63	4 292	18,278	3.91	715	25 15,585	3.86 602	6-69	44	781	-.01	27	43
13-02-0085	6080965	1085978	3-64	5 298	19,958	3.94	787	21 16,206	3.81 617	1-70	44	935	.02	36	54
13-02-0085	6194374	1085978	7-64	3 305	18,153	3.89	707	24 15,963	3.87 618	6-69	42	713	-.01	24	38
13-02-0085	6206674	1085978	7-64	4 293	19,005	3.65	694	26 15,830	3.80 601	6-69	44	843	-.04	25	43
13-02-0085	6443055	1312008	10-65	2 297	19,600	4.18	820	31 16,525	3.84 634	5-69	40	452	.10	31	37
13-02-0085	6647226	1278644	8-66	2 305	20,015	3.79	759	32 15,750	3.79 597	9-69	40	830	-.04	24	41
13-02-0085	6875260	1348259	7-67	1 291	19,050	4.16	793	9 15,910	3.86 614	3-70	36	612	.04	28	39
13-03-0027	6435890	1439204	7-65	1 305	25,230	3.53	890	20 16,520	3.77 623	1-69	23	768	-.03	23	39
13-03-0027	6735408	1458744	9-66	2 303	16,940	4.06	688	25 15,415	3.83 590	10-69	40	694	.03	29	42
13-03-0053	5529364	1215958	11-61	5 305	20,506	3.21	658	23 15,736	3.74 588	10-68	43	907	-.09	19	39
13-03-0053	6257848	1237057	3-65	3 305	23,190	3.04	704	37 16,077	3.71 596	12-69	42	1,129	-.15	18	44
13-03-0055	6572833	1458744	5-66	2 302	17,750	4.06	720	27 15,725	3.63 571	5-69	40	748	.05	34	48
13-03-0058	7236682	1261857	4-68	1 305	15,350	3.64	558	23 13,790	3.50 483	3-70	36	585	.08	32	42
13-03-0059	5713143	1254887	12-62	4 296	20,368	3.44	700	14 14,093	3.60 507	3-70	44	885	-.03	28	46
13-03-0169	6467891	1301172	1-66	2 305	19,245	3.69	710	13 12,930	3.75 485	10-69	40	716	.02	29	43
13-03-0173	6938601	1261857	9-67	1 305	20,680	3.38	699	14 16,750	3.68 617	9-69	36	784	.03	33	48
13-03-0338	5256716	1276957	10-60	6 303	20,223	3.54	715	11 14,485	3.57 517	4-69	32	918	-.01	32	50
13-03-0338	5956168	1399197	10-63	4 288	18,330	3.98	730	19 15,955	3.52 561	10-69	37	739	.08	39	52
13-04-0008	6392295	1273756	9-65	2 305	20,075	3.51	704	44 13,860	3.48 483	7-69	40	965	.02	38	57
13-04-0008	6392296	1273756	10-65	2 305	18,285	3.05	557	46 14,025	3.45 484	10-69	40	768	-.03	23	39
13-04-0008	6471284	1273756	1-66	2 305	18,635	3.23	602	33 13,630	3.56 485	6-69	40	840	-.02	27	44
13-04-0008	6501508	1273756	8-65	3 302	19,913	2.87	572	41 14,040	3.53 495	9-69	42	1,000	-.08	24	46
13-04-0008	6564237	1273756	2-66	2 305	19,780	3.45	683	35 13,930	3.50 488	7-69	40	928	.01	35	53
13-04-0008	6725478	1330987	9-66	2 304	17,455	3.64	636	58 15,155	3.40 516	12-69	40	569	.07	30	40
13-04-0119	6155104	1273756	1-64	4 301	18,432	3.88	716	12 14,237	3.62 515	11-69	H 44	838	.07	40	55
13-04-0119	6656865	1273756	1-66	2 305	16,705	3.64	608	6 13,575	3.64 494	6-69	40	649	.02	27	39
13-04-0145	6506335	1273756	9-64	3 298	16,393	3.50	574	15 13,293	3.45 459	3-69	42	672	.03	28	41
13-04-0154	5080555	1246708	12-59	8 298	15,946	3.78	603	62 12,986	3.73 485	9-69	39	662	.04	29	41
13-04-0154	6307776	1085978	3-65	3 299	18,737	3.90	731	36 15,183	3.79 576	2-70	42	861	.00	31	48
13-04-0154	6361098	1278644	5-65	3 298	20,877	3.45	720	38 14,863	3.71 551	7-69	42	1,067	-.08	26	49
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TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	AVG DAYS	MILK (LB)	FAT (%)	PRODUCTION FAT (LB)	HERDMATE NO.	MILK (LB)	AVG FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C	REPT (%)	COW MILK (LB)	IND FAT (%)	E FAT (LB)	DOL- LARS
13-04-0208	5613340	1239886	3-62	5	305	19,388	3.35	650	20	15,020	3.65	548	5-69	44		713	-.02	23	\$ 38
13-04-0208	5782278	1273756	3-63	4	304	15,625	4.04	632	23	13,767	3.76	517	11-68	44		543	.06	29	38
13-04-0449	6389407	1273756	9-65	2	305	15,960	4.05	646	25	14,255	3.56	508	6-69	40		511	.08	30	38
13-04-0449	6389408	1273756	10-65	2	305	18,370	3.68	676	24	14,955	3.60	539	11-69	40		692	.03	30	43
13-04-0449	6392890	1237057	10-65	2	305	19,960	3.36	671	37	14,225	3.63	516	5-69	40		882	-.07	21	40
13-06-0109	5773921	1199324	2-63	4	303	17,700	3.81	674	14	15,070	3.74	563	4-69	44		792	.00	29	45
13-06-0111	6324196	1085978	4-65	3	300	17,760	3.10	550	15	13,603	3.69	502	11-69	42		912	-.10	18	39
13-06-0126	6030805	1279868	10-62	5	301	17,092	3.88	663	25	14,298	3.70	529	7-69	42		632	.04	28	40
13-06-0126	6832857	1244845	3-66	2	305	21,735	3.76	817	28	15,410	3.63	559	9-69	40		885	-.01	31	49
13-06-0127	6677511	1239242	6-66	1	305	19,440	4.19	815	29	15,760	3.75	591	1-69	36		572	.04	27	37
13-06-0314	5484764	1112211	9-61	4	305	18,125	3.34	605	57	13,855	3.43	475	10-69	44		899	-.05	25	44
13-06-0314	6432066	1273756	11-65	2	296	18,960	3.26	619	22	14,100	3.40	479	10-69	H 40		830	.00	30	46
13-06-0360	6165947	1276654	8-64	3	305	17,187	3.79	651	13	12,597	3.74	471	6-69	42		653	.01	25	38
13-06-0399	6312018	1199324	12-64	2	305	21,055	3.77	794	24	15,325	3.66	561	5-69	40		1,076	.01	40	61
13-06-0399	6703754	1329588	12-65	2	303	21,230	3.48	739	31	16,400	3.59	588	9-69	40		757	-.04	22	38
13-06-0492	5140707	1303347	3-60	6	305	19,231	3.94	757	31	15,533	3.62	562	10-69	40		732	.08	38	51
13-06-0492	6343765	010275932	2-63	3	305	21,997	3.18	700	28	15,467	3.52	544	4-69	42		905	-.05	25	44
13-06-0492	6395722	1244845	9-65	3	304	20,020	3.59	718	44	15,590	3.55	554	10-69	42		749	-.03	23	39
13-06-0492	6395723	1278644	10-65	2	305	18,075	3.70	669	30	14,615	3.57	522	7-69	40		736	-.04	21	37
13-06-0492	7062165	1417208	9-67	1	305	23,840	2.48	591	47	16,440	3.56	586	12-69	36		1,005	-.12	18	41
13-06-0503	5754951	1359770	9-62	4	305	21,430	3.33	714	18	15,165	3.48	528	3-69	44		900	-.07	22	42
13-06-0503	6794652	1261857	11-65	2	305	20,505	3.37	690	21	15,655	3.46	541	1-69	40		951	.04	40	58
13-06-0503	6794653	1261857	11-65	3	305	22,727	3.55	807	18	15,240	3.48	531	3-70	42		1,303	.06	56	80
13-06-0503	6801909	1261857	5-66	1	47	19,590	3.13	613	20	16,200	3.43	556	12-68	8 36		740	.03	31	45
13-08-0012	5856402	1273756	12-62	4	298	17,047	3.92	669	10	15,000	3.49	524	2-70	44		582	.08	33	42
13-08-0012	6319736	1273756	2-65	1	305	16,860	3.97	669	12	14,630	3.49	511	6-69	36		527	.07	29	38
13-08-0012	6732458	1273756	1-67	1	305	17,180	3.74	642	12	14,630	3.49	511	6-69	36		551	.05	27	37
13-08-0040	6948423	1491061	10-67	1	305	23,890	3.39	811	12	15,960	3.49	557	3-70	23		904	-.01	31	49
13-08-0051	5409265	1333671	1-61	5	305	21,192	3.85	815	17	14,192	3.74	531	10-69	35		1,203	.05	47	68
13-08-0051	5854428	1268294	3-63	4	302	18,993	3.78	717	22	14,895	3.82	569	8-69	44		759	-.02	24	40
13-08-0052	5937001	1231982	10-63	3	301	19,820	4.07	806	13	14,567	3.67	534	5-69	42		806	.07	39	53
13-08-0122	6226961	1294703	1-65	3	288	17,840	3.53	629	18	13,567	3.49	474	11-69	42		876	-.03	27	45
13-08-0146	6629271	1273756	10-66	1	305	19,640	3.60	708	25	16,130	3.61	583	6-69	36		634	.03	27	39
13-08-0146	6706125	1273756	9-66	2	301	20,685	3.16	653	22	15,890	3.59	570	2-70	40		841	-.04	25	43
13-08-0146	6743435	1273756	1-66	2	287	20,365	4.06	826	23	15,805	3.64	576	1-70	40		816	.09	42	56
13-09-0005	4704457	1194033	8-56	9	301	21,468	3.90	838	10	16,650	3.97	661	9-69	39		815	-.02	27	44
13-09-0005	5560856	1189870	12-61	5	305	21,362	3.96	846	16	16,460	3.99	657	2-69	44		879	.02	35	52
13-09-0005	5645601	1189870	3-62	2	305	21,850	4.34	949	13	17,390	3.94	685	12-69	40		717	.08	38	50
13-09-0006	6664678	1470546	10-66	2	305	22,720	4.20	955	8	17,195	3.84	661	4-70	25		740	.08	39	52
13-09-0008	6241896	1279868	2-65	3	301	17,013	4.20	715	30	14,453	3.91	565	9-69	40		575	.06	29	39
13-09-0008	6648296	1279868	8-66	2	305	18,790	3.68	692	19	14,835	3.88	576	3-70	38		700	-.01	24	38
13-09-0116	5759577	1259069	11-62	5	278	20,886	3.70	773	21	16,012	3.57	571	10-68	8 44		801	.00	29	45
13-09-0116	6344616	1222994	9-63	3	238	22,787	3.47	790	14	16,860	3.43	578	1-69	8 42		1,006	.00	36	56
13-09-0130	6739460	1290716	10-66	2	274	15,960	3.99	637	15	12,990	3.73	484	11-69	40		458	.12	34	40
13-09-0133	6443802	1273756	10-65	2	305	18,870	3.64	686	5	15,175	3.62	549	5-69	40		722	.03	30	44
13-09-0134	6606699	1273756	7-64	4	303	17,307	3.75	649	15	14,577	3.74	545	10-69	44		661	.03	28	40
13-09-0148	6512678	1273756	10-65	2	305	21,005	3.42	719	7	16,020	3.50	561	3-69	40		862	.01	32	49
13-09-0162	5348512	1011980	4-61	6	291	18,007	3.63	653	39	13,872	3.79	526	10-68	44		676	.00	25	38
13-09-0162	5854836	1373421	2-63	5	303	19,218	3.67	706	11	14,850	3.60	535	3-70	36		690	.02	28	41
13-09-0167	6315997	1273756	7-64	3	296	19,480	3.58	698	12	15,373	3.69	568	7-69	42		812	.01	31	47
13-09-0167	6315998	1273756	8-64	3	302	18,196	3.73	678	16	15,526	3.68	571	10-69	42		649	.03	28	40
13-09-0167	6391663	1273756	8-65	2	298	19,575	3.84	752	15	15,990	3.66	585	9-69	40		719	.05	34	47
13-09-0168	6007253	1244009	12-63	3	305	18,577	3.98	739	7	14,550	3.88	564	12-69	42		893	-.01	31	49
13-09-0169	6360972	1441063	3-65	3	305	19,636	3.88	762	16	15,723	3.86	607	11-69	35		609	.06	31	42
13-09-0169	6367546	1199324	3-65	3	305	19,633	3.71	728	16	16,313	3.81	621	1-70	42		873	-.02	28	46
13-09-0169	6617741	1458744	8-66	2	301	18,080	3.30	596	33	15,510	3.71	575	12-69	40		802	-.05	21	38
13-09-0169	6739989	1273756	8-66	1	305	19,420	3.97	771	10	16,720	3.77	631	2-69	36		578	.05	28	38
13-09-0181	6233539	1254887	11-64	3	305	22,443	3.34	749	17	15,663	3.45	540	7-69	42		910	-.03	28	47
13-09-0181	6709430	1276654	5-66	2	304	21,420	4.36	933	9	16,005	3.64	582	12-69	40		716	.10	41	53
13-09-0181	6714392	1278644	11-66	2	305	21,880	3.70	809	12	15,815	3.68	582	1-70	40		1,013	-.04	30	51
13-09-0184	6590656	1273756	11-65	2	305	20,570	4.21	866	10	17,025	3.78	643	8-69	40		726	.09	40	52
13-09-0193	5537461	1199324	3-62	4	305	15,897	3.65	581	10	13,877	3.69	512	4-69	44		702	-.02	23	37
13-09-0201	5204805	1268604	12-58	6	301	22,135	3.31	732	9	13,890	3.54	492	1-69	36		1,324	-.08	36	64
13-09-0216	5855620	1189870	3-63	3	305	22,470	4.23	950	20	16,267	3.82	621	7-69	42		962	.09	48	65
13-09-0218	7168250	1261857	11-66	1	305	26,810	3.89	1044	14	16,960	3.88	658	8-69	36		1,227	.08	56	78
13-09-0218	7212159	1261857	1-67	2	304	21,410	3.63	778	13	18,365	3.66	672	2-70	40		796	.06	37	51
13-09-0218	7505940	1387978	9-67	1	294	21,810	4.41	961	19	18,220	3.82								

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES... FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS	
13-09-0324	6197580	1239242	8-64	3 305	18,500	3.78	699	30	14,477	3.88	562	3-69	42	727	-.01	25	\$ 40
13-09-0324	6401673	1237057	1-65	2 305	20,630	3.32	685	43	14,160	3.79	537	1-69	40	956	-.09	21	42
13-09-0324	6488342	1239242	12-65	3 297	18,347	3.82	701	47	14,613	3.81	557	2-70	42	695	.01	26	40
13-09-0324	6488343	1239242	2-66	2 305	17,705	3.99	706	73	14,370	3.81	547	7-69	40	610	.02	25	37
13-09-0324	6936881	1348259	10-67	1 305	17,740	3.92	696	81	13,450	3.94	530	12-69	36	679	.02	27	40
13-09-0517	6089234	1273756	5-64	4 298	21,190	3.76	797	11	15,835	4.07	644	1-70	44	1,000	-.01	35	55
13-09-0517	6408591	1273756	7-65	3 284	18,693	3.84	717	15	15,580	3.92	611	9-69	42	700	.03	29	42
13-09-0520	5861122	1231982	1-62	3 305	17,180	3.74	642	11	12,590	3.76	474	7-69	42	705	.00	26	40
13-09-0538	6332061	1273756	12-64	3 305	15,693	3.74	587	18	13,430	3.69	496	8-69	42	578	.04	26	37
13-09-0728	6488815	1273756	10-65	1 305	16,370	3.97	650	18	14,000	3.50	490	1-69	36	533	.07	29	38
13-09-0737	4923847	960472	9-59	4 265	16,648	3.39	564	32	13,208	3.68	486	12-69	8 42	937	-.09	20	41
13-09-0737	6617744	1458744	10-66	2 227	15,755	3.57	562	33	13,875	3.64	505	12-69	8 40	715	-.01	24	38
13-09-0747	5396512	1287905	8-61	5 305	21,586	3.84	829	14	17,396	3.66	637	8-69	40	587	.07	31	41
13-09-0747	5932900	1222994	6-63	5 305	21,350	3.44	734	16	17,608	3.64	641	12-69	44	811	-.04	24	41
13-09-0747	6432528	1411214	8-65	3 303	22,297	3.67	818	8	16,897	3.61	610	4-70	42	712	.02	29	43
13-09-0817	6262233	1239242	10-64	3 302	18,403	3.38	622	30	13,910	3.63	505	2-69	42	775	-.04	22	38
13-09-0817	6986982	1493360	11-67	1 305	23,760	3.32	788	23	15,340	3.79	582	11-69	22	911	-.07	23	43
13-10-0027	5752912	1189870	4-62	4 250	20,793	3.55	738	19	15,348	3.80	583	10-68	8 44	907	-.03	29	48
13-10-0027	5761900	1273756	10-62	5 303	18,448	3.73	688	23	16,398	3.73	612	1-70	44	608	.03	26	37
13-10-0027	6491422	1279868	11-65	2 300	17,945	4.31	774	20	15,870	3.73	592	10-69	38	513	.09	31	39
13-10-0033	5146972	1063381	8-60	7 292	17,983	3.68	662	14	15,651	3.47	543	2-70	44	652	.00	24	37
13-10-0033	5275629	1063381	2-61	7 302	19,323	3.29	636	9	15,610	3.49	545	10-69	44	830	-.07	20	38
13-10-0033	6891911	1273756	8-67	1 305	18,180	3.82	694	15	15,030	3.56	535	12-69	36	599	.05	29	40
13-10-0040	4690532	1011980	4-58	7 304	19,346	3.38	654	22	13,496	3.48	470	11-69	44	893	.00	32	50
13-10-0040	5308973	1010936	10-60	8 302	19,950	3.27	652	22	14,160	3.58	507	1-70	44	925	-.04	28	47
13-10-0040	6618106	1273756	8-66	2 305	16,455	3.97	654	23	13,345	3.52	470	5-69	40	644	.07	34	45
13-10-0042	6453877	1273756	11-65	2 305	17,400	3.60	627	15	14,995	3.49	523	12-68	40	590	.04	27	38
13-10-0042	6994766	1488604	9-67	1 305	19,470	3.63	706	17	15,670	3.57	560	10-69	28	613	.02	25	37
13-10-0049	6449949	1430145	12-64	3 301	18,583	3.39	630	16	15,820	3.62	573	1-69	35	735	-.02	23	38
13-10-0049	6463524	1430145	4-65	3 305	20,586	3.33	685	22	15,926	3.54	564	11-69	35	983	-.03	31	51
13-10-0049	6640210	1406271	9-66	2 305	19,360	3.03	587	18	15,520	3.56	553	2-70	40	837	-.04	24	42
13-10-0049	6902823	1458744	1-67	1 305	20,140	3.47	698	29	15,140	3.45	523	10-69	36	940	-.01	32	51
13-10-0307	5766604	1254887	3-63	4 298	20,608	3.60	742	24	15,463	3.67	567	3-70	44	762	-.01	26	41
13-10-0307	6463514	1386406	4-64	3 305	17,693	4.11	728	15	15,296	3.57	546	2-69	42	590	.09	34	44
13-10-0307	6812095	1458744	3-67	1 303	17,820	3.20	570	20	15,070	3.72	561	7-69	36	772	-.05	20	37
13-10-0315	6235790	1329588	11-64	3 301	20,730	3.29	682	12	15,477	3.46	536	6-69	42	856	-.05	23	41
13-10-0321	5949464	1416707	10-63	4 302	20,797	3.63	755	21	16,017	3.80	609	12-69	36	888	-.03	27	45
13-10-0321	5949466	1416707	10-63	5 294	21,184	3.18	673	24	16,222	3.77	611	10-69	37	942	-.12	16	38
13-10-0335	6176831	1294703	10-64	2 305	20,155	3.31	668	9	14,965	3.31	495	7-69	40	935	-.05	27	47
13-10-0335	6855702	1406271	7-67	1 305	16,270	3.66	595	13	14,710	3.35	493	8-69	36	581	.06	29	39
13-10-0341	5951779	1396581	8-63	4 302	19,990	3.55	709	21	15,535	3.37	523	12-69	33	836	.05	37	52
13-10-0341	6273124	1329588	12-64	3 301	20,507	3.14	643	17	15,130	3.39	513	2-69	42	866	-.07	21	40
13-10-0341	6273125	1329588	1-65	3 305	20,903	2.88	603	18	15,190	3.38	513	1-70	42	905	-.11	16	37
13-10-0350	5596055	1189870	5-62	3 305	23,843	3.15	752	18	17,930	3.66	657	7-69	42	948	-.08	22	43
13-10-0350	6011585	1303347	9-63	4 303	18,727	3.71	695	22	16,085	3.45	555	10-69	39	579	.06	29	39
13-10-0351	6395522	1386406	8-64	3 305	18,260	3.19	582	11	14,436	3.43	495	12-68	42	744	-.03	22	38
13-10-0351	6834932	1458744	9-66	1 265	16,910	3.29	557	8	13,040	3.38	441	9-68	8 36	840	-.02	27	44
13-10-0351	6834933	1458744	9-66	2 305	16,920	3.53	598	11	14,230	3.34	475	12-69	40	801	.01	30	46
13-10-0351	6834934	1458744	3-67	1 305	17,110	3.83	656	11	14,480	3.28	475	1-69	36	758	.03	32	46
13-10-0372	6116010	1231982	4-64	3 292	19,403	3.23	626	12	13,363	3.36	449	2-70	42	883	-.03	27	45
13-10-0395	6378530	1239242	5-65	2 299	18,850	3.69	695	7	15,110	3.54	535	1-70	40	659	.01	25	38
13-10-0404	5975232	1278644	11-63	3 291	22,307	3.43	766	30	15,467	3.48	538	6-69	42	1,169	-.06	33	58
13-10-0416	6935879	1375967	8-67	1 305	21,920	3.32	728	29	13,800	3.83	529	12-69	35	959	-.13	15	37
13-10-0416	6935880	1375967	8-67	1 305	20,770	3.76	781	26	13,710	3.84	526	1-70	35	878	-.09	19	39
13-10-0416	6966094	1278644	9-67	1 305	21,670	3.40	736	30	14,030	3.83	537	12-69	36	972	-.09	22	43
13-11-0107	5942477	1331869	9-62	5 304	19,212	3.79	728	22	15,754	3.66	576	10-69	36	736	.01	28	42
13-11-0107	6789310	1348259	3-66	2 302	19,620	3.47	680	34	16,075	3.59	577	11-69	40	723	-.01	25	40
13-11-0118	5649427	1239886	8-62	4 305	18,430	3.85	710	19	14,473	3.74	542	1-69	44	632	.05	30	41
13-11-0118	6506990	1278644	11-65	3 305	20,120	3.41	687	21	14,203	3.78	537	2-70	42	1,049	-.09	24	47
13-11-0118	6707405	1278644	11-66	1 305	21,730	3.40	738	27	13,550	3.84	520	9-69	36	1,009	-.09	23	45
13-11-0118	7084494	1348259	1-68	1 305	19,310	3.52	680	26	15,320	3.75	574	12-69	36	671	-.01	23	37
13-11-0120	5241624	1343789	9-60	3 305	20,807	3.90	811	59	16,317	3.74	610	10-69	29	674	.04	30	42
13-11-0120	5652652	1389431	6-62	4 305	21,773	3.43	747	49	15,688	3.76	590	10-69	42	929	-.08	21	42
13-11-0120	6258000	1085978	7-64	4 303	19,633	4.03	791	51	16,400	3.71	609	10-69	44	857	.03	36	52
13-11-0120	6265795	1085978	10-64	3 292	17,203	4.02	692	53	15,587	3.73	582	9-69	42	643	.02	26	38
13-11-0120	6433917	1085978	12-64	3 292	18,217	3.62	660	54	15,480	3.73	578	7-69	42	770	-.03	23	39
13-11-0121	6704894	1450228	11-66	1 305	19,820	3.26	647	5	16,290	3.64	593	2-69	33	994	-.07	26	47
13-11-0132	5439887	1349101	4-61	7 303	18,202	3.51	638	29	14,192	3.61	513	9-69	37	843	-.02	27	44
13-11-0132	5925219	1349101	2-63	4 303	19,465	3.38	657	24	14,657	3.62	530	1-69	36	943	-.05	26	46
13-11-0203	5834864	1085978	2-63	3 305	25,770	3.49	899	8	15,967	3.69	58						

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C REPT MO-YR D (%)	.....C O W MILK (L8)	I N O E X..... FAT FAT (%) (L8)	DOL- LARS
13-11-0356	6341332	1085978	11-63	4 233 20,765 3.20 665	9 15,920 3.31 527	3-69 8 44	1,051	-.05 30	\$ 52
13-11-0357	6173260	1294703	7-64	3 305 20,650 3.29 680	12 12,620 3.65 460	11-69 42	1,303	-.09 34	62
13-11-0389	6363465	1239242	10-64	2 305 18,330 3.77 691	16 14,420 3.76 542	4-69 40	669	.00 24	37
13-11-0402	6307450	1312008	11-64	2 305 22,370 3.44 770	18 15,550 3.59 559	4-69 40	822	-.02 33	49
13-11-0402	6588622	1221835	6-66	2 305 21,955 3.54 777	17 16,695 3.66 611	3-70 40	899	-.04 27	46
13-11-0402	6628803	1458117	8-66	2 291 21,500 3.30 709	20 16,315 3.70 604	1-70 36	898	-.08 20	40
13-11-0402	6628804	1085978	10-66	2 305 19,620 3.78 742	22 16,580 3.66 606	2-70 40	789	.00 28	44
13-11-0406	6175712	1085978	9-64	3 294 17,460 3.29 575	28 13,170 3.75 494	9-69 42	922	-.08 22	42
13-11-0424	5846173	1085978	2-63	4 305 20,160 3.67 739	22 14,253 3.69 526	11-69 44	1,161	-.02 39	62
13-11-0429	7028562	1261857	8-67	1 305 21,150 3.57 755	20 15,450 3.48 538	6-69 36	906	.07 43	59
13-11-0429	7283723	1261857	9-67	1 305 18,020 3.42 616	33 16,280 3.62 590	11-69 36	617	.05 29	40
13-11-0438	5724943	1221835	8-62	4 305 18,408 3.35 617	23 14,503 3.70 536	10-69 44	807	-.07 19	37
13-11-0438	6681917	1478272	11-66	2 305 19,250 3.49 672	20 14,995 3.73 559	12-69 34	930	-.02 31	50
13-11-0445	6737229	1348259	8-66	1 305 18,470 3.13 578	7 13,550 3.38 458	3-70 36	727	-.02 23	38
13-11-0604	5959310	1261857	10-63	2 296 16,200 3.30 535	26 13,595 3.39 461	9-68 8 40	703	.05 32	45
13-12-0014	5915243	1405186	11-63	3 305 15,863 3.73 592	15 11,243 3.60 405	11-68 33	610	.03 26	37
13-12-0110	5621671	1349520	7-62	5 305 20,590 3.67 755	16 15,978 3.76 601	3-69 41	919	-.08 21	41
13-12-0110	5870776	1189870	11-62	6 301 18,748 4.12 772	16 16,278 3.74 609	2-70 44	563	.07 31	40
13-12-0115	5171766	1063381	12-58	8 303 18,883 3.77 711	17 15,898 3.52 559	4-69 44	740	.01 28	42
13-12-0115	6428814	1406271	9-65	3 293 18,716 3.46 647	31 17,086 3.33 569	1-70 42	640	.04 29	41
13-12-0154	6617743	1458744	9-66	2 293 17,235 3.25 560	30 14,910 3.42 510	8-69 40	771	-.03 23	39
13-12-0159	5654321	1318968	11-60	6 305 21,495 3.08 662	7 14,760 3.68 543	3-69 40	1,023	-.16 13	37
13-12-0181	6583930	1273756	1-66	1 305 23,390 3.77 882	12 19,560 3.63 711	10-69 36	683	.04 31	43
13-12-0218	5782984	1397405	12-62	5 305 17,910 4.03 722	26 15,188 3.73 567	2-70 37	544	.09 32	41
13-12-0218	5804275	1397405	3-63	4 296 18,467 3.55 655	23 14,467 3.78 547	2-69 36	699	-.01 24	38
13-12-0218	5850817	1397405	6-63	5 303 17,266 4.22 728	22 15,060 3.79 571	2-70 37	467	.11 32	39
13-12-0218	6460460	1273756	1-66	2 302 19,850 3.65 725	34 15,655 3.90 611	2-70 40	778	.00 28	43
13-12-0246	4992189	1243126	12-59	3 305 22,033 3.58 788	13 15,487 3.78 586	3-70 39	722	.02 29	43
13-12-0254	7192327	1438758	2-67	1 305 28,960 3.07 888	25 16,170 3.82 618	8-69 35	1,406	-.16 26	58
13-12-0301	6809108	1085978	9-64	3 295 16,350 3.60 588	38 13,993 3.64 509	2-70 42	709	-.02 22	37
13-12-0313	5983734	1273756	12-63	3 305 18,763 3.62 679	9 15,936 3.42 545	11-68 42	671	.05 31	43
13-12-0313	6840083	1261857	3-67	1 305 20,010 3.72 744	5 16,870 3.31 559	1-69 36	726	.09 40	52
13-12-0337	6942190	1261857	10-67	1 305 19,060 4.04 770	28 16,850 3.72 626	10-69 36	657	.10 38	49
13-13-0015	5551973	1374854	2-62	4 303 22,583 3.78 853	46 17,150 3.67 629	11-69 33	899	.05 40	57
13-13-0015	6016880	1199324	1-64	5 305 21,414 3.36 719	41 17,236 3.68 634	12-69 44	1,029	-.07 27	49
13-13-0015	6016881	1199324	1-64	4 305 19,362 3.94 763	41 16,877 3.70 624	12-68 44	796	.03 33	48
13-13-0015	6107337	1199324	8-64	3 302 19,843 3.83 760	46 16,176 3.60 582	6-69 42	912	.02 36	54
13-13-0015	6236464	1216957	12-64	4 297 21,655 4.01 868	51 16,978 3.63 616	10-69 44	626	.10 37	47
13-13-0015	6327917	1417208	7-65	3 304 18,893 3.17 598	37 15,363 3.57 548	6-69 42	817	-.05 22	39
13-13-0015	6426547	1254887	12-65	3 302 22,180 3.71 822	47 17,167 3.61 619	10-69 42	724	.01 28	42
13-13-0018	6932024	1273756	1-66	2 305 19,130 3.38 647	10 14,205 3.77 536	7-69 40	837	-.02 27	44
13-13-0018	7325521	1312008	5-67	1 305 20,040 3.96 794	12 13,260 3.83 508	11-69 36	620	.08 34	44
13-13-0061	5981710	1281479	9-63	3 263 18,450 3.95 729	13 13,897 3.78 526	5-69 42	586	.08 33	43
13-13-0107	5666843	1369958	8-62	3 305 20,743 4.00 830	20 16,363 3.67 600	10-69 42	488	.10 32	39
13-13-0107	6327171	1273756	8-63	3 305 18,420 3.74 689	16 16,220 3.74 607	9-69 42	602	.03 26	37
13-13-0131	5795410	1377803	9-62	2 305 19,315 2.94 567	20 12,015 3.27 393	12-68 32	1,068	-.10 24	48
13-13-0131	6597566	1273756	6-66	2 305 17,600 3.08 542	26 13,495 3.11 420	2-70 40	747	.00 27	42
13-14-0142	5564946	1259069	10-61	6 303 18,915 3.66 693	19 14,501 3.73 541	2-70 44	722	-.03 22	37
13-14-0142	6739203	1261857	2-67	1 305 15,810 3.39 536	28 13,170 3.71 488	6-69 36	661	.04 30	42
13-14-0149	6590655	1231982	11-65	1 305 20,340 4.06 825	26 15,500 3.71 575	9-69 35	582	.04 27	38
13-14-0154	6338629	1085978	7-65	3 299 19,437 3.47 675	15 16,587 3.77 626	9-69 42	796	-.06 20	37
13-14-0154	6378294	1348259	9-65	3 305 20,550 3.64 749	7 17,430 3.72 648	4-70 42	729	.00 26	40
13-14-0154	6619430	1348259	8-66	2 291 24,030 3.83 921	18 16,335 3.65 597	9-69 40	1,147	.04 47	69
13-14-0154	6619431	1348259	8-66	2 305 20,770 4.34 902	19 16,375 3.68 603	10-69 40	812	.11 45	58
13-14-0158	5771219	1389431	7-62	4 305 22,788 3.38 771	19 15,030 3.57 536	3-70 42	1,131	-.07 30	54
13-14-0158	6155023	1237057	6-64	4 305 20,365 3.25 661	17 15,278 3.59 549	11-69 44	925	-.10 19	40
13-14-0158	6940468	1273756	9-67	1 305 17,940 3.95 709	19 15,220 3.55 540	12-69 36	568	.07 30	40
13-14-0166	5982770	1273756	11-63	3 305 18,786 3.64 684	10 14,556 3.79 551	3-69 42	817	.01 31	47
13-14-0166	6331970	1273756	6-65	3 293 18,493 3.75 693	5 14,973 3.73 559	12-69 42	740	.03 31	45
13-14-0166	6510814	1290716	9-65	3 296 19,693 3.72 732	10 15,563 3.71 578	9-69 42	659	.09 37	48
13-14-0166	6842926	1273756	11-66	1 305 19,470 3.54 690	9 13,850 3.81 528	1-69 36	774	.01 29	44
13-14-0173	7183685	1261857	12-67	1 299 22,910 3.84 879	16 16,360 3.75 614	1-70 36	976	.08 47	64
13-14-0195	6064608	1273756	2-64	3 305 17,393 4.18 727	25 13,720 3.78 518	12-68 42	743	.09 40	52
13-14-0201	5957384	1377802	8-63	5 304 22,054 3.95 871	26 16,168 3.95 638	12-69 39	1,218	.04 50	73
13-14-0201	5957390	1377802	11-63	4 295 20,127 4.27 860	30 15,635 3.94 616	9-69 37	983	.10 50	67
13-14-0201	6118732	1377802	4-64	4 305 20,290 3.84 780	9 16,642 4.05 674	3-70 37	882	.00 32	49
13-14-0205	6812098	1254887	2-67	1 305 25,740 3.73 959	13 17,830 3.98 709	8-69 36	740	-.02 24	39
13-14-0223	7057394	1261857	7-67	1 305 21,140 3.43 725	27 15,620 3.80 594	9-69 36	894	.03 37	54
13-14-0303	6270630	1199324	5-64	3 305 20,176 3.37 680	21 14,693 3.70 543	2-69 42	1,103	-.06 31	54
13-14-0416	5120495	1289545	3-60	3 305 22,283 3.99 890	25 16,700 3.83 640	3-70 35	1,134	.03 45	67
13-14-0416	5364459	1357473	7-61	4 298 18,608 4.31 802	39 16,235 3.82 620	12-69 34	407	.13 33	38
13-14-0416	5396157	1287905	9-61	6 305 20,888 4.05 845	21 17,250 3.83 661	4-70 40	508	.08 30	38
13-14-0416	5697751	1397406	10-62	5 305 19,530 3.94 769	23 16,444 3.81 626	11-69 39	698	.06 34	46
13-14-0416	5731867	1279868	10-62	5 305 18,440 3.94 727	32 16,234 3.79 616	9-69 42	580	.03 26	37
13-14-0416	5920646	1397406	7-63	5 305 22,020 3.60 792	36 16,294 3.81 621	10-69 39	1,073	-.01 37	59
13-14-0416	5920649	1397406	7-63	3 305 24,413 3.94 962	18 16,940 3.71 629	5-69 36	1,220	.08 56	78
13-14-0416	6060844	1244845	1-64	4 305 21,465 3.85 826	44 15,695 3.80 597	10-69 44	949	-.01 33	52
13-14-0416	6158248	1279868	6-64	3 305 19,323 4.00 773	28 16,216 3.82 619	1-69 40	662	.04 30	42
13-14-0416	6186426	1435889	12-64	3 305 20,190 3.63 732	40 15,420 3.79 585	8-69 33	883	-.03 28	46
13-14-0416	6323693	1435889	5-65	2 305 21,470 3.81 817	28 16,305 3.81 621	1-69 30	878	.01 33	50
13-14-0416	6608706	1435889	5-66	2 305 23,395 3.37 788	33 15,670 3.87 606	7-69 30	1,175	-.08 31	56
13-14-0416	6666678	1435889	7-66	2 305 20,210 4.13 834	23 17,625 3.88 684	1-70 30	587	.05 28	38
13-14-0416	6750287	1397406	10-66	1 305 20,680 4.45 921	20 18,780 3.86 724	2-69 28	456	.11 32	38
13-14-0416	6750288	1397406	11-66	2 302 21,230 3.47 737	30 17,355 3.85 669	12-69 34	716	-.03 22	37
13-14-0416	6762027	1473942	1-67	1 305 22,240 4.00 890	40 16,420 3.78 620	8-69 26	670	.03 29	41

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
13-14-0416	6855004	1473942	6-67	1 305	22,140	4.00	885	40 16,420	3.78	620	8-69	26	661	.04	29	\$ 41
13-14-0508	6479521	1273756	2-66	2 293	18,335	4.11	754	18 16,145	3.87	625	10-69	40	579	.06	30	40
13-14-0513	5649319	1181029	9-62	4 296	20,245	3.62	732	11 15,290	3.77	577	9-69	44	706	-.01	24	38
13-14-0524	6207040	1085978	10-64	2 305	20,535	3.36	691	73 14,920	3.57	532	10-68	40	1,033	-.05	30	52
13-14-0524	6705082	1458744	10-66	1 280	22,240	3.54	787	33 18,100	3.65	661	11-69	36	898	-.02	29	47
14-10-0009	6593349	1273756	8-66	1 193	16,890	4.01	678	6 13,290	4.23	562	11-68	8 36	619	.03	26	38
14-10-0023	6507142	1273756	1-66	2 305	16,030	3.96	635	15 13,965	3.69	516	11-69	40	545	.06	28	37
14-10-0133	5729668	1367326	11-62	3 305	20,390	3.78	771	58 15,637	3.81	596	12-69	33	787	.02	31	46
14-10-0133	5888807	1390042	7-63	4 299	22,432	3.78	848	75 15,600	3.85	600	1-70	37	1,120	.01	42	64
14-10-0133	5927986	1418966	7-63	3 305	22,790	4.21	959	48 15,540	3.80	591	5-69	33	1,088	.11	56	75
14-10-0133	5965342	1273690	11-63	3 305	21,590	3.72	804	37 15,633	3.82	597	6-69	38	848	.00	31	48
14-10-0223	6284912	1273756	10-64	3 300	17,233	4.15	715	21 13,823	3.94	545	6-69	42	714	.06	35	48
14-10-0223	6284913	1273756	6-64	4 302	17,210	3.29	566	15 13,397	3.92	525	5-69	44	780	-.06	20	37
14-10-0223	6682181	1273756	10-66	2 305	17,975	3.92	704	24 15,260	3.94	601	1-70	40	624	.03	27	39
14-10-0227	6248149	1436308	11-64	4 303	21,420	3.61	773	28 14,202	3.82	542	10-69	35	1,281	-.03	42	68
14-10-0227	6438306	1436308	1-66	3 305	19,803	3.69	731	26 14,446	3.79	547	12-69	33	970	-.01	34	53
14-10-0227	6438313	1237057	1-66	3 302	21,660	3.39	734	39 15,530	3.81	591	12-69	42	1,010	-.10	22	44
14-10-0227	6474779	1436308	2-66	3 291	19,430	4.01	779	18 14,513	3.82	555	12-69	33	912	.04	39	56
14-10-0227	6798077	1436308	3-67	1 299	18,710	3.81	713	9 13,270	3.84	509	5-69	24	756	.00	28	43
14-10-0227	6901383	1436308	9-67	1 305	18,870	3.44	649	12 13,240	3.75	496	8-69	24	773	-.03	23	39
14-10-0227	6975194	1436308	12-67	1 305	20,860	3.79	791	22 14,620	3.79	554	12-69	24	839	.00	31	48
14-10-0230	5491521	1189870	4-61	6 305	19,592	3.55	696	50 14,993	3.89	583	9-69	44	821	-.04	24	41
14-10-0230	5501812	1179372	2-62	6 282	19,580	3.48	681	32 14,758	3.71	548	3-70	44	838	-.02	27	44
14-10-0230	6713890	1458744	7-66	2 300	24,440	3.41	834	53 15,655	3.83	599	11-69	40	1,434	-.06	43	73
14-10-0230	6713891	1458744	8-66	2 298	18,915	3.62	685	53 15,590	3.82	595	10-69	40	879	-.03	28	46
14-10-0230	6713895	1464924	8-66	2 300	25,060	3.70	928	51 15,560	3.79	589	10-69	28	1,338	.01	50	76
14-10-0230	6713896	1464924	8-66	2 298	19,750	3.73	736	42 15,580	3.82	595	12-69	28	691	.00	25	39
14-10-0230	6798663	1458744	9-66	1 252	18,580	3.58	665	43 15,600	3.80	593	12-68	H 36	793	-.02	25	41
14-10-0230	6798667	1464924	1-67	1 305	20,710	3.37	698	44 14,600	3.63	530	6-69	22	739	-.02	23	38
14-10-0235	5618028	1199324	1-62	6 301	18,098	4.01	726	35 15,988	3.90	624	1-70	44	746	.01	29	43
14-10-0235	5618029	1199324	1-62	5 304	20,986	3.65	765	39 15,382	3.89	598	6-69	44	1,189	-.04	37	62
14-10-0235	6928276	1458744	10-67	1 305	24,330	3.60	875	48 17,080	4.23	722	12-69	36	1,122	-.06	32	56
14-10-0235	7213914	1348259	12-67	1 305	21,840	4.02	879	45 17,000	4.22	718	12-69	36	747	.01	28	43
14-10-0243	6888758	1436308	10-67	1 305	18,470	4.07	751	5 13,270	3.94	523	1-70	24	735	.02	30	44
14-10-0246	5961654	1245520	6-63	5 304	21,324	3.68	784	16 17,414	3.68	640	11-69	44	797	-.03	24	41
14-10-0246	6685792	1273756	9-66	2 305	21,415	3.60	771	10 18,155	3.59	651	12-69	40	708	.02	29	42
14-10-0246	6860390	1273756	4-67	2 305	23,135	3.90	903	9 18,250	3.60	657	3-70	40	874	.07	42	58
14-10-0309	5406200	1344676	9-61	4 305	20,840	3.45	718	47 13,563	3.96	537	1-70	35	1,026	-.09	24	47
14-10-0309	5969882	1273756	10-63	3 305	15,786	4.19	661	36 13,810	3.94	544	12-68	42	549	.06	29	38
14-10-0325	6548212	1398363	9-64	2 305	19,465	3.86	752	39 13,485	3.86	520	11-68	39	813	.02	33	48
14-10-0325	6629774	1273756	11-64	2 305	17,475	3.92	685	33 13,575	3.84	521	11-68	40	727	.05	33	46
14-10-0344	5296584	1063381	3-61	6 288	18,907	3.91	740	23 14,348	3.88	557	11-68	44	923	-.01	32	51
14-10-0344	6035335	1333641	2-64	4 302	19,448	3.79	738	32 14,995	3.81	571	1-70	44	597	.04	27	38
14-10-0344	6265493	1280615	6-63	5 304	18,374	4.13	759	25 15,096	3.81	575	3-70	44	501	.08	30	38
14-10-0345	6542949	1273756	4-66	2 295	17,610	3.78	665	17 13,645	3.85	526	9-69	40	734	.02	30	44
14-10-0345	7060925	1458744	10-67	1 305	16,150	4.00	646	20 14,520	3.79	550	1-70	36	684	.01	26	39
14-10-0348	6693737	1273756	1-64	4 305	15,720	4.11	646	14 12,992	3.72	483	8-69	44	641	.08	35	46
14-10-0349	5885632	1273756	8-63	4 280	16,077	4.14	665	12 13,425	3.72	499	3-70	44	637	.08	35	46
14-10-0349	5943712	1231982	12-63	4 305	17,695	3.63	643	15 12,855	3.69	474	3-70	43	771	-.01	27	42
14-10-0349	6477166	1273756	2-66	2 298	15,465	3.69	570	18 12,605	3.82	481	7-69	40	611	.02	25	37
14-10-0349	6636238	1273756	10-66	1 305	19,240	3.60	693	22 13,520	3.69	499	10-69	36	779	.02	31	46
14-10-0351	6620137	1273756	1-66	2 305	15,025	3.88	583	12 12,915	3.44	444	1-70	40	538	.07	29	38
14-10-0354	5901314	1273756	6-63	5 304	18,810	3.91	736	24 15,120	4.08	617	9-69	44	803	.02	32	47
14-10-0412	5719133	1085978	8-62	3 291	17,877	3.81	681	7 14,557	3.61	525	10-69	42	827	.01	31	47
14-10-0412	5719135	1239886	9-62	4 301	19,065	3.80	724	12 15,360	3.68	565	10-69	44	612	.05	30	41
14-11-0117	6900847	1273756	12-66	1 305	18,280	3.89	712	6 15,830	3.63	574	8-69	36	552	.06	28	38
14-11-0150	6176226	1199324	8-64	3 305	20,996	3.73	783	13 16,010	3.83	613	11-68	42	1,061	-.02	36	57
14-11-0150	6894519	1290716	10-67	1 303	21,910	3.52	772	10 14,420	3.86	556	12-69	35	744	.07	37	50
14-11-0152	7047764	1273756	6-66	2 299	18,170	3.86	702	25 15,355	3.79	582	10-69	40	635	.04	29	41
14-11-0152	7168727	1348259	10-67	1 305	19,630	4.17	819	27 15,510	3.94	611	11-69	36	682	.04	31	43
14-11-0154	7044226	1330987	6-67	1 305	19,780	3.89	769	47 15,850	3.75	595	9-69	36	652	.06	32	43
14-11-0159	5153217	1290716	9-60	3 305	20,320	4.16	846	17 17,117	3.59	615	6-69	42	569	.18	46	53
14-11-0159	5809771	1273756	3-63	4 304	19,407	3.53	685	17 16,557	3.62	600	12-68	44	700	.01	26	40
14-11-0159	6432219	1273756	8-65	2 305	19,660	3.87	760	13 17,855	3.47	619	3-69	40	558	.07	31	40
14-11-0164	5893997	1258887	3-63	4 305	27,898	3.41	950	12 14,860	3.77	560	2-70	44	1,729	-.06	53	89
14-11-0170	6797003	1273756	4-67	1 305	17,360	3.53	613	9 13,350	3.63	484	8-69	36	650	.02	26	38
14-11-0204	5789089	1273756	1-63	4 305	18,087	3.73	675	11 15,537	3.87	601	11-68	44	650	.01	25	38
14-11-0204	5859759	1273756	5-63	5 305	18,654	3.83	715	12 16,024	3.92	628	11-69	44	678	.02	28	41
14-11-0226	6614626	1085978	9-66	2 305	19,505	3.59	700	21 16,305	3.62	590	11-69	40	802	-.03	25	42
14-11-0234	5800598	1387560	12-62	4 295	17,808	4.30	766	12 15,000	3.85	577	8-69	33	493	.12	35	42
14-11-0234	6148494	1281050	7-64	3 305	20,597	3.69	759	12 15,920	3.81	607	9-69	42	769	-.03	23	39
14-11-0237	5926712	1273756	5-63	5 305	17,886	3.43</										

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8) FAT (%) FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8) FAT (%) FAT (L8)	LAST T CALVO C REPT MO-YR D (%)C O W MILK (L8) FAT (%) FAT (L8)	I N O E X..... FAT (%) FAT (%) DOL- LARS
14-12-0101	5667954	1273756	8-62	5 303 15,184 3.95 600	63 13,146 3.82 502	1-70	44 564 .05 27 \$ 37	
14-12-0101	6308386	1273756	5-65	2 303 16,120 4.06 654	66 13,730 3.85 528	11-68	40 575 .06 29 39	
14-12-0105	6373518	1273756	7-64	3 305 16,866 4.00 674	5 15,063 3.66 551	6-69	42 543 .07 30 39	
14-12-0116	5598429	1273756	6-62	5 305 16,522 4.16 687	11 14,220 3.92 557	6-69	44 612 .07 32 42	
14-12-0129	7281519	1377691	11-67	1 305 26,650 3.89 1036	17 19,520 3.74 731	9-69	36 797 .01 30 46	
14-12-0201	5689769	1273756	11-62	4 304 16,872 4.13 697	95 12,285 3.81 468	11-69	44 862 .08 43 58	
14-12-0201	6431708	1239886	8-65	3 305 18,340 3.56 653	48 12,723 3.91 497	1-70	42 772 .00 28 43	
14-12-0207	5458375	1231982	12-61	5 305 18,648 4.66 869	20 14,386 4.10 590	12-69	44 741 .12 44 56	
14-12-0207	5957654	1231982	12-63	4 305 17,430 4.68 815	33 15,100 4.07 614	3-70	43 486 .11 33 40	
14-12-0207	6095111	1231982	2-64	4 303 18,343 4.08 749	24 14,895 4.06 605	3-70	43 623 .02 25 37	
14-12-0207	6230488	1273756	9-64	3 305 17,970 4.30 773	32 15,213 4.05 616	3-70	42 655 .08 35 46	
14-12-0207	6337338	1273756	2-65	3 302 16,796 4.47 750	37 14,893 4.11 612	12-69	42 553 .08 32 41	
14-12-0207	6337339	1273756	3-65	2 304 17,350 4.31 747	35 15,150 4.07 616	10-68	40 570 .07 30 40	
14-12-0347	6961823	1450228	9-67	1 305 15,080 3.90 588	10 13,130 3.68 483	9-69	33 844 .01 29 46	
14-12-0356	6056715	1237057	2-64	3 305 18,777 4.28 803	11 15,543 3.96 616	3-70	42 677 .02 28 41	
14-12-0356	6378683	1273756	8-65	3 305 17,710 4.24 751	14 16,040 4.01 643	2-70	42 539 .07 29 38	
14-12-0356	6715584	1273756	10-66	1 305 21,480 3.78 811	12 16,200 3.86 626	2-69	36 766 .03 32 46	
14-12-0356	6801804	1484967	3-67	1 305 22,470 4.36 980	13 14,900 4.31 642	11-69	19 729 .05 34 47	
14-12-0359	5299962	1154946	1-61	3 305 22,230 5.08 1130	33 16,023 3.80 609	3-69	42 917 .21 64 77	
14-12-0359	5837905	1387978	2-63	4 305 17,885 3.94 704	30 15,930 3.84 611	12-69	42 639 .02 26 38	
14-12-0359	5837906	1387978	2-63	3 305 21,733 4.11 893	26 16,063 3.85 619	3-69	41 1,063 .05 46 66	
14-12-0359	6171791	1179373	5-64	2 305 23,565 3.38 797	36 16,260 3.92 638	1-69	40 826 .07 19 37	
14-12-0359	6565634	1450228	12-65	2 305 18,740 3.48 652	22 15,785 3.92 619	5-69	37 984 .08 24 45	
14-12-0359	6757515	1469557	7-66	2 305 22,280 3.66 815	35 16,565 3.83 634	11-69	25 756 .02 25 40	
14-12-0359	6757520	1387978	10-66	1 305 19,650 4.13 811	22 13,980 3.96 553	6-69	35 849 .02 34 50	
14-12-0362	6431709	1348259	8-65	3 290 16,356 3.86 631	30 12,653 3.85 487	3-70	42 741 .02 29 43	
14-12-0402	5553930	1273756	1-62	6 305 17,763 4.34 771	11 15,820 4.03 637	10-69	44 587 .09 34 43	
14-12-0402	6021885	1308429	10-63	3 305 22,110 3.70 817	7 15,437 3.96 611	12-68	42 971 .07 25 46	
14-12-0402	6623899	1085978	4-66	2 305 22,210 3.95 878	10 16,420 3.89 638	9-69	40 1,066 .00 39 60	
14-12-0505	6257568	1273756	8-64	3 302 16,016 3.61 578	7 13,453 3.61 486	3-70	42 612 .03 26 37	
14-12-0508	6067692	1273756	11-63	1 305 20,620 4.09 843	40 16,710 3.88 648	7-69	36 668 .05 32 44	
14-13-0031	6805627	1393997	11-66	1 305 18,550 3.65 677	8 15,290 3.75 573	3-69	31 635 .02 26 38	
14-13-0033	5276996	1063381	7-60	7 301 21,106 3.51 740	12 15,454 3.90 602	7-69	44 1,078 .08 27 50	
14-13-0033	5509385	1189870	5-61	5 302 18,146 3.91 710	13 15,438 3.78 583	1-70	44 582 .03 26 37	
14-13-0033	5772220	1273756	1-63	4 296 18,472 3.87 715	7 14,867 3.93 585	5-69	44 772 .03 32 47	
14-13-0035	6918269	1417208	9-67	1 305 20,150 3.19 642	13 16,120 3.60 581	2-70	36 751 .03 22 38	
14-13-0040	6018575	1273756	8-63	4 305 21,190 3.80 806	25 13,797 3.94 544	8-69	44 1,227 .02 48 72	
14-13-0040	6018576	1273756	10-63	4 301 16,027 4.39 703	22 14,110 3.95 557	1-70	44 555 .10 34 43	
14-13-0040	6292203	1273756	11-64	3 305 16,476 4.08 672	25 13,673 3.99 546	10-69	42 642 .05 30 42	
14-13-0040	6292204	1273756	11-64	3 305 16,290 4.17 680	24 14,140 3.97 562	11-69	42 573 .06 30 40	
14-13-0040	6346642	1273756	2-64	4 305 18,365 4.03 740	31 13,510 4.00 541	9-69	44 910 .05 40 57	
14-13-0040	6346644	1273756	2-64	3 301 16,920 3.69 624	30 13,943 4.00 558	9-69	42 666 .00 24 37	
14-13-0040	6346645	1273756	12-64	3 305 16,586 4.15 688	28 14,253 4.01 572	9-69	42 595 .05 29 40	
14-13-0040	6346648	1273756	3-65	3 305 21,623 3.47 751	24 14,140 3.97 562	11-69	42 1,186 .03 38 62	
14-13-0040	6484886	1273756	11-65	2 305 18,345 3.81 699	19 14,210 4.04 574	5-69	40 757 .01 29 44	
14-13-0040	6484887	1273756	12-65	2 305 17,830 4.30 767	19 14,210 4.04 574	5-69	40 705 .07 36 48	
14-13-0040	6510444	1231982	7-65	2 305 20,915 3.36 702	16 14,975 3.93 589	1-69	40 809 .07 19 37	
14-13-0040	6725111	1273756	7-66	2 302 21,585 3.59 774	7 15,495 3.88 601	4-70	40 969 .01 34 53	
14-14-0025	5474111	1377431	12-61	4 305 19,398 3.52 682	43 14,798 3.73 552	1-69	35 885 .03 27 45	
14-14-0025	5518487	1377431	2-62	5 296 17,214 3.99 686	39 14,660 3.68 539	3-70	36 600 .06 30 40	
14-14-0025	6162695	1273756	10-64	3 305 20,123 3.37 678	22 15,240 3.65 556	4-69	42 900 .02 30 48	
14-14-0025	6297003	1273756	12-64	3 303 16,433 3.89 640	26 14,463 3.66 529	7-69	42 556 .05 28 38	
14-14-0025	6297005	1273756	2-65	3 297 16,990 3.82 649	24 14,873 3.65 543	4-69	42 577 .05 28 38	
14-14-0025	6297006	1273756	3-65	3 304 18,370 3.40 624	28 14,586 3.66 534	5-69	42 766 .01 26 41	
14-14-0025	6297011	1273756	4-65	2 305 19,590 3.95 773	32 16,130 3.64 587	4-69	40 708 .07 36 48	
14-14-0025	6351481	1273756	7-65	3 304 20,690 3.64 753	35 16,083 3.69 594	1-70	42 878 .02 35 52	
14-14-0025	6351482	1273756	8-65	3 297 20,133 3.76 758	38 15,990 3.69 590	1-70	42 823 .04 36 51	
14-14-0025	6351483	1273756	8-65	2 305 21,790 3.30 718	25 15,860 3.66 581	5-69	40 956 .03 30 50	
14-14-0025	6351484	1273756	8-65	2 305 20,435 3.66 748	31 15,505 3.69 572	6-69	40 851 .02 34 50	
14-14-0025	6351485	1273756	8-65	2 267 19,600 3.61 707	33 16,115 3.69 595	2-70	40 711 .02 28 42	
14-14-0025	6367213	1273756	9-65	2 305 19,590 4.10 804	27 14,715 3.70 544	6-69	40 837 .09 43 57	
14-14-0025	6631663	1273756	7-66	2 305 18,755 3.98 746	33 14,585 3.73 544	12-69	40 765 .06 37 51	
14-14-0025	6631665	1273756	7-66	2 300 19,935 3.84 766	33 15,970 3.73 595	1-70	40 758 .05 34 48	
14-14-0025	6631666	1273756	7-66	3 305 21,420 3.75 804	33 15,970 3.73 595	1-70	40 909 .04 38 55	
14-14-0025	6631669	1273756	7-66	1 305 20,740 3.75 777	39 15,760 3.72 586	1-70	36 740 .04 32 46	
14-14-0025	6734697	1273756	9-66	1 305 18,540 3.77 699	38 15,690 3.69 579	2-70	36 581 .03 26 37	
14-14-0035	4990058	1308429	10-59	7 291 22,764 3.52 801	27 17,304 3.74 647	11-68	44 928 .08 22 42	
14-14-0035	5775959	1273756	2-63	5 301 21,054 3.80 800	19 18,270 3.74 683	7-69	44 727 .04 32 45	
14-14-0035	5948713	1280615	11-63	4 305 22,145 3.92 869	28 18,783 3.75 704	12-69	44 539 .07 29 38	
14-14-0035	6338405	1273756	6-65	3 305 25,613 4.09 1047	20 18,553 3.72 690	2-70	42 1,188 .10 58 79	
14-14-0035	6338407	1273756	7-65	2 291 21,425 4.14 886	21 18,780 3.70 694	1-69	40 652 .09 37 48	
14-14-0035	6401886	1273756	11-65	2 305 23,580 4.03 950	19 19,250 3.81 734	6-69	40 828 .07 40 55	
14-14-0035	6505052	1273756	1-66	2 305 21,930 3.82 837	19 19,250 3.81 734	6-69	40 661 .04 29 41	
14-14-0035	6505053	1273756	1-66	2 297 24,060 4.06 978	19 18,980 3.83 727	6-69	40 902 .08 44 60	
14-14-0035	6505054	1273756	2-66	2 305 23,135 3.63 839	16 19,015 3.70 704	12-69	40 804 .01 31 47	
14-14-0035	6632652	1273756	10-66	2 305 25,135 4.25 1067	13 19,310 3.66 706	1-70	40 980 .13 55 71	
14-14-0035	6632653	1273756	10-66	2 305 26,450 4.03 1066	10 17,850 3.61 644	4-70	40 1,247 .10 60 82	
14-14-0035	66456							

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	I N O E X..... MILK (LB)	FAT (%)	FAT (LB)	DOL- LARS		
14-14-0039	6551187	1273756	5-66	2 295	15,590	3.84	598	50	13,085	3.65	478	9-69	40	580	.05	28	\$ 38
14-14-0039	6656928	1273756	7-66	2 305	16,905	3.76	635	49	13,230	3.65	483	1-70	40	701	.04	31	44
14-14-0041	6304537	1273756	12-64	3 305	17,596	3.97	698	25	15,253	3.70	565	2-69	42	608	.06	31	42
14-14-0048	6292052	1273756	5-64	3 305	20,800	3.63	755	20	16,290	3.51	571	11-68	42	869	.04	37	53
14-14-0054	6476587	1085978	1-66	3 305	23,377	3.48	814	11	18,713	3.93	735	2-70	42	1,029	-.09	24	47
14-14-0075	6578280	1273756	3-66	2 305	16,795	4.33	727	19	13,320	3.71	494	6-69	40	681	.10	39	50
14-14-0081	6235125	1273756	10-64	4 294	17,752	4.10	727	32	14,582	3.85	562	11-69	44	715	.07	36	48
14-14-0102	5421447	1366152	4-61	4 305	21,410	4.07	871	28	17,998	3.70	666	12-69	42	620	.09	35	45
14-14-0102	5421451	1366152	8-61	4 305	21,378	3.89	832	30	17,955	3.70	664	11-69	42	621	.05	30	41
14-14-0102	6290872	1393031	11-64	3 305	23,690	3.58	848	41	17,970	3.86	694	12-68	42	1,050	-.12	20	44
14-14-0102	6290879	1366152	10-64	3 305	23,067	4.22	973	32	17,033	3.78	643	11-69	41	883	.10	47	62
14-14-0102	6456317	1366152	10-65	3 305	22,453	3.84	863	44	18,867	3.83	723	1-70	41	618	.03	26	38
14-14-0128	5987416	1308429	12-63	5 290	21,338	3.44	733	31	15,760	3.62	570	12-69	44	923	-.08	22	42
14-14-0128	6062234	1273756	4-64	4 305	18,495	3.40	629	42	15,767	3.56	561	10-69	44	675	.00	24	37
14-14-0128	6343089	1273756	6-65	3 301	22,900	3.33	763	35	15,160	3.59	545	6-69	42	1,227	-.02	41	66
14-14-0128	6388935	1273756	1-64	3 305	19,206	3.36	645	36	15,256	3.57	544	10-68	42	793	-.01	27	43
14-14-0128	6576365	1273756	3-65	3 305	21,016	3.23	678	48	15,563	3.56	554	9-69	42	969	-.03	30	50
14-14-0128	6576370	1308429	9-65	3 305	23,933	2.96	708	52	15,800	3.57	564	9-69	42	1,143	-.15	18	45
14-14-0128	6620199	1347940	9-66	2 289	20,310	3.37	685	60	15,710	3.56	559	8-69	40	1,021	-.03	32	53
14-14-0128	6701751	1347940	12-66	1 305	19,330	3.55	686	64	16,290	3.57	582	8-69	36	814	-.01	28	44
14-14-0129	6031614	1199324	4-63	4 259	19,395	3.13	608	29	13,455	3.37	454	11-69	44	1,181	-.06	33	58
14-14-0146	6248847	1273756	1-65	3 305	23,446	3.65	856	12	18,016	3.67	662	11-69	42	995	.02	39	58
14-14-0167	6567889	1290716	4-66	2 305	16,820	4.30	724	8	14,270	3.55	507	6-69	40	428	.18	41	45
14-14-0174	5501028	1273756	7-61	6 305	17,956	3.96	711	13	15,846	3.89	616	7-69	44	609	.05	29	40
14-14-0174	5889479	1273756	12-62	5 305	20,840	3.47	723	6	15,640	3.93	614	8-69	44	1,004	-.04	30	51
14-14-0174	6359803	1273756	1-65	3 305	20,153	3.36	677	9	15,056	3.84	578	7-69	42	922	-.04	28	47
14-14-0185	6179385	1429900	10-64	3 291	19,703	3.60	710	30	14,353	3.88	557	10-69	29	768	-.03	23	39
14-14-0186	6342421	1273756	8-64	3 305	18,763	3.60	675	26	14,706	3.61	531	12-69	42	799	.02	32	47
14-14-0186	6772158	1261857	3-67	1 305	16,210	3.33	539	39	14,650	3.56	521	8-69	36	592	.05	28	39
14-14-0186	6789961	1261857	4-67	1 305	17,530	3.85	675	39	14,650	3.56	521	8-69	36	690	.09	38	49
14-14-0186	6878772	1261857	8-67	1 305	19,580	3.67	719	37	15,500	3.55	550	11-69	36	786	.07	39	53
14-14-0186	6878773	1347940	8-67	1 304	18,260	3.13	571	48	15,500	3.61	559	10-69	36	787	-.05	21	38
14-14-0186	6878774	1278644	8-67	1 305	18,660	4.16	776	40	15,650	3.53	552	12-69	36	639	.01	24	37
14-14-0194	6234824	1273756	10-64	4 305	17,472	4.30	751	7	14,945	3.74	559	1-70	44	640	.11	39	49
14-14-0194	7104011	1273756	10-66	2 305	21,360	3.49	745	7	15,330	3.71	569	9-69	40	961	.00	34	53
14-14-0210	5909630	1199324	7-63	3 267	16,986	3.20	543	9	11,753	3.39	399	10-68	8	1,041	-.05	30	52
14-14-0223	6954033	1273756	4-67	1 305	27,340	3.85	1053	30	17,230	3.90	672	6-69	36	1,133	.03	46	68
14-14-0223	7075059	1484864	2-68	1 305	24,700	3.39	838	29	18,490	3.76	696	2-70	22	781	-.03	24	40
14-14-0239	6261775	1231982	1-62	4 305	20,178	3.70	747	8	12,158	3.84	467	1-70	43	1,158	-.01	41	64
14-14-0240	5982720	1273756	10-63	4 303	18,192	3.72	676	17	14,475	3.84	556	11-69	44	781	.01	30	45
14-14-0240	5982722	1273756	10-63	4 296	17,742	3.80	674	11	14,705	3.82	562	2-70	44	700	.03	29	42
14-14-0240	6270427	1273756	11-64	3 304	18,500	3.76	695	15	14,393	3.88	558	7-69	42	801	.02	32	47
14-14-0250	5010086	1274721	11-59	7 299	18,783	3.82	717	21	14,604	3.87	565	8-69	36	690	.00	25	39
14-14-0250	6151052	1273756	10-64	3 302	17,673	3.78	668	21	15,150	3.85	583	6-69	42	627	.02	26	38
14-14-0250	6211673	1273756	11-64	3 305	17,953	4.26	764	13	15,193	3.83	582	4-69	42	655	.09	37	48
14-14-0250	6447301	1273756	9-65	3 296	18,723	3.54	662	21	15,506	3.83	594	11-69	42	711	-.01	24	38
14-14-0250	6447302	1273756	9-65	3 301	18,626	3.92	730	16	15,640	3.83	599	1-70	42	686	.04	31	44
14-14-0250	6447305	1273756	11-65	2 305	18,455	3.65	673	19	15,155	3.77	571	1-69	40	682	.02	27	40
14-14-0250	6447307	1273756	12-65	2 305	18,935	3.59	680	20	14,925	3.85	575	6-69	40	752	.00	27	42
14-14-0250	6447309	1273756	1-66	2 305	19,065	3.99	760	20	15,675	3.82	599	12-69	40	696	.05	33	45
14-14-0250	6461933	1273756	11-65	3 300	18,083	3.69	667	18	15,473	3.81	589	12-69	42	641	.01	25	37
14-14-0257	6035232	1273756	10-63	4 300	18,935	3.51	664	10	14,830	3.67	545	5-69	44	834	.00	30	47
14-14-0257	6106823	1211384	2-64	4 305	18,973	3.83	727	12	14,715	3.66	539	10-69	44	617	.03	26	38
14-14-0257	6271565	1273756	11-64	4 302	17,500	3.81	666	8	15,345	3.79	582	11-69	44	599	.03	26	37
14-14-0257	6583092	1282596	5-66	2 301	22,685	3.66	830	19	15,005	3.79	568	1-70	40	818	-.03	25	42
14-14-0257	6583094	1273756	6-66	2 289	18,835	3.65	687	13	14,930	3.76	562	4-69	40	741	.02	29	43
14-14-0257	6583095	1273756	7-66	2 302	18,495	3.70	684	16	15,500	3.73	578	2-70	40	655	.02	27	39
14-14-0261	6300743	1085978	2-65	3 297	21,603	3.65	789	5	17,017	3.58	610	4-69	42	1,001	-.01	35	55
14-14-0282	6489334	1289545	11-65	2 300	17,805	4.23	753	17	14,470	4.07	589	7-69	32	777	.02	31	46
14-14-0520	6587344	1273756	6-66	1 305	18,190	3.64	662	26	14,560	3.85	560	11-68	36	631	.02	25	37
14-14-0520	6587345	1273756	7-66	1 305	18,730	3.60	675	12	15,270	3.75	572	3-69	36	623	.02	25	37
14-14-0520	6850452	1273756	2-67	1 305	17,930	3.65	654	26	14,310	3.73	534	10-69	36	628	.02	26	38
14-15-0107	6299431	1322362	7-63	4 305	16,895	3.95	667	13	13,723	3.67	503	5-69	36	565	.08	32	41
14-15-0123	5455335	1199324	11-61	5 305	18,154	4.11	747	17	15,522	3.65	567	9-68	44	807	.06	38	52
14-15-0123	5700611	1199324	11-62	4 305	21,287	3.69	785	23	17,185	3.60	619	6-69	44	1,000	.01	37	57
14-15-0123	6464363	1424134	7-65	3 301	23,590	3.68	868	24	17,540	3.43	602	2-70	32	997	.04	42	61
14-15-0123	6464366	1424134	11-65	3 292	21,970	3.78	830	26	17,486	3.49	610	12-69	32	783	.05	36	50
14-15-0133	5953857	1417145	12-63	4 299	18,933	3.88	734	13	15,308	3.60	551	3-70	33	547	.07	30	39
14-15-0133	6747102	1375967	2-67	1 292	26,190	2.74	717	23	16,620	3.36	559	8-69	35	1,090	-.18	12	38
14-15-0136	5791027	1273756	12-62	3 305	22,486	2.86	642	23	16,326	3.62	591	3-69	42	1,059			

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES... FAT (%)	LAST T CALVD C MO-YR D	.....C O W I N D E X..... MILK (L8)	FAT (%)	FAT (L8)	DOL- LARS	
14-15-0203	6278904	1273756	11-64	3 301	17,220	3.92	675	30 14,226	3.59 511	7-69	42	671	.07	34	\$ 46
14-15-0203	6315650	1231982	3-65	3 298	20,187	3.66	738	37 15,727	3.69 581	10-69	42	727	.00	26	40
14-15-0203	6397256	1273756	7-65	2 305	18,345	3.53	648	25 15,220	3.64 554	1-69	40	665	.01	26	39
14-15-0203	6397257	1273756	6-65	3 297	18,893	3.94	744	26 15,650	3.61 565	1-70	42	716	.08	37	49
14-15-0203	6479639	1273756	10-65	2 305	17,020	3.92	668	25 15,420	3.61 556	10-69	40	512	.07	28	37
14-15-0203	6651321	1273756	11-66	2 304	18,335	3.64	667	19 15,810	3.54 560	3-70	40	610	.03	27	38
14-15-0203	6766498	1273756	1-67	1 305	19,220	3.28	631	18 14,410	3.47 500	7-69	36	718	.01	27	41
14-15-0203	6901196	1348259	8-67	1 305	21,590	3.66	790	28 16,750	3.52 590	2-70	36	745	.02	30	44
14-15-0203	6977393	1273756	6-67	1 305	18,690	3.76	702	22 14,870	3.46 515	4-69	36	647	.05	31	43
14-15-0402	5927514	1273756	9-63	4 295	21,270	3.75	797	12 17,162	3.73 641	4-69	44	863	.03	36	52
14-15-0402	6056233	1273756	4-64	3 305	21,910	4.03	882	6 17,786	3.87 688	6-69	42	842	.07	40	55
14-15-0402	6232796	1273756	11-64	4 300	21,950	4.26	934	13 18,337	3.74 685	3-70	44	816	.13	48	61
14-16-0001	6235240	1273756	10-64	3 301	18,890	3.78	714	16 15,593	3.69 575	11-69	42	721	.04	32	45
14-16-0001	6235241	1273756	1-65	2 303	17,965	3.85	691	21 15,755	3.76 592	12-68	40	577	.04	27	37
14-16-0001	6613953	1273756	8-66	2 305	18,125	3.93	713	18 16,350	3.69 604	12-69	40	539	.06	28	37
14-16-0002	5791206	1231982	11-62	3 304	18,290	4.48	819	11 15,787	3.94 622	7-69	42	499	.09	31	39
14-16-0002	6484740	1273756	11-65	2 301	18,355	3.96	727	7 16,020	3.75 601	12-68	40	593	.06	30	40
14-16-0002	6484741	1273756	11-65	2 305	19,855	4.05	804	7 16,215	3.82 619	3-69	40	727	.07	36	49
14-16-0002	6617148	1273756	7-66	1 305	22,460	4.11	922	5 15,390	3.65 561	11-68	36	893	.08	44	60
14-16-0002	6723058	1273756	1-67	2 305	18,690	3.67	686	8 14,580	3.81 555	12-69	40	758	.02	30	45
14-16-0002	6787686	1273756	11-66	1 305	18,800	3.90	733	8 15,320	3.77 577	1-69	36	625	.04	29	40
14-16-0002	6787687	1273756	12-66	1 305	18,770	4.25	798	8 15,320	3.77 577	1-69	36	623	.08	34	44
14-16-0002	6787688	1273756	1-67	2 305	18,035	4.45	802	7 14,440	3.86 558	3-70	40	705	.11	41	52
14-16-0021	5256416	1085978	11-60	6 265	17,350	3.53	613	39 13,710	3.65 500	6-69	44	888	-.03	27	45
14-16-0021	5596708	1377802	4-62	5 305	16,188	3.50	567	22 13,052	3.71 484	11-69	39	780	-.01	26	42
14-16-0021	6327590	1273756	3-65	2 305	16,215	3.50	567	23 11,605	3.65 424	11-68	40	779	.01	29	44
14-16-0103	5124027	1290716	3-60	7 258	15,141	4.19	635	18 12,990	3.70 480	3-70 8	44	422	.16	38	42
14-16-0103	5408285	1273756	6-61	6 270	17,483	3.87	676	18 13,265	3.80 504	1-70 8	44	847	.04	37	53
14-16-0130	6170151	1273756	7-64	4 297	17,380	3.83	666	9 15,072	3.83 578	7-69	44	615	.03	27	38
14-16-0130	6868061	1273756	6-67	1 305	16,640	4.62	769	10 14,920	3.97 592	8-69	36	491	.09	31	38
14-16-0201	5846375	1377803	6-63	4 292	19,920	3.29	656	40 15,107	3.68 556	12-68	37	921	-.09	20	40
14-16-0201	6399326	1273756	5-65	3 267	17,860	3.45	616	42 14,343	3.74 537	9-69 8	42	732	-.01	25	40
14-17-0028	6830534	1273756	7-66	2 305	18,135	3.92	710	48 15,560	4.00 622	1-70	40	613	.03	26	37
14-17-0028	6830535	1483416	3-67	1 305	22,140	3.74	827	43 15,890	4.06 645	10-69	22	718	-.03	22	37
14-18-0017	6081795	1011980	4-63	2 305	18,825	3.72	701	20 15,725	3.15 496	4-69	40	487	.09	30	38
14-18-0107	6183795	1085978	6-64	4 304	18,030	3.63	654	27 15,155	3.87 587	9-69	44	798	-.05	22	39
14-18-0107	6371124	1273756	9-65	3 304	17,240	4.03	695	12 15,596	3.75 585	3-70	42	531	.07	29	38
14-18-0120	6654879	1268294	6-66	2 305	20,800	3.75	780	14 16,690	3.66 611	1-70	40	700	-.01	24	38
14-19-0014	5321359	1063381	1-61	5 305	17,318	3.75	650	39 13,694	3.75 513	1-69	44	794	-.02	26	42
14-19-0014	5606253	1349319	5-62	3 289	18,817	3.71	699	32 13,943	3.77 526	8-69	42	730	-.02	24	39
14-19-0014	5934378	1273756	2-63	5 296	18,384	3.58	659	28 14,702	3.75 552	4-69	44	797	.00	29	45
14-19-0014	6378902	1273756	8-65	2 305	17,550	3.82	670	34 14,645	3.88 568	9-68	40	637	.03	27	39
14-19-0014	6602513	1273756	12-65	2 299	17,480	3.87	676	27 14,755	3.80 561	1-69	40	620	.04	28	39
14-19-0014	6722071	1273756	9-66	2 253	16,215	3.48	564	27 12,095	3.94 477	8-69 8	40	734	-.02	24	39
14-19-0015	5686192	1344642	2-62	5 305	26,852	3.48	935	7 20,330	3.63 737	3-70	39	1,176	-.06	34	59
14-19-0015	6367821	1248176	4-65	2 305	24,035	4.04	970	14 20,395	3.58 731	1-69	32	658	.12	41	51
14-19-0015	6619592	1344642	11-65	3 248	23,990	3.67	880	6 20,266	3.68 746	3-70 8	36	713	-.02	23	38
14-19-0015	6740779	1375967	12-66	2 305	29,350	3.56	1046	12 20,875	3.76 784	12-69	40	1,261	-.11	29	57
14-19-0035	5954890	1273756	2-63	4 282	18,180	3.92	713	11 14,837	3.43 509	9-69	44	740	.09	40	52
14-19-0035	6425737	1442117	7-65	2 305	18,345	3.92	720	7 14,310	3.56 510	3-69	32	699	.04	31	44
14-19-0041	5963829	1273756	8-63	5 299	17,638	3.69	651	11 15,200	3.63 551	1-70	44	643	.03	28	40
14-19-0041	6375391	1273756	4-65	3 305	16,770	3.71	622	13 14,650	3.62 531	11-69	42	575	.04	26	37
14-19-0041	6797004	1273756	6-67	1 301	20,210	4.23	855	16 14,600	3.60 525	8-69	36	779	.09	41	54
14-19-0115	6378465	1369958	7-64	4 305	23,005	3.26	751	13 14,950	3.67 549	11-69	43	966	-.03	30	50
14-19-0148	5559327	1375967	1-62	5 262	24,408	4.33	1056	7 14,880	4.10 610	12-68 8	44	1,559	.02	59	89
14-20-0002	6160427	1273756	7-64	4 294	17,895	3.98	713	9 15,207	3.99 606	6-69 H	44	663	.03	29	41
14-20-0002	6183799	1308429	10-64	3 305	22,583	3.78	853	17 17,110	3.93 672	3-69	42	853	-.05	23	41
14-20-0002	6747444	1375967	11-66	2 294	24,010	3.53	848	14 17,290	3.91 676	2-70	40	1,045	-.12	19	43
15-11-0111	5539775	1063381	7-61	5 305	20,228	3.98	805	26 16,048	3.58 574	10-69	44	896	.04	38	55
15-11-0111	6066934	010260599	4-63	3 305	22,547	3.44	776	23 17,007	3.61 614	4-69	42	914	-.09	20	40
15-11-0124	5154130	1189870	7-60	6 305	19,338	4.10	792	9 15,817	3.62 572	5-69	44	692	.09	38	49
15-11-0124	5766355	1237057	3-63	4 291	20,873	3.50	731	18 16,830	3.64 612	1-70	44	815	-.06	21	39
15-11-0128	6480988	1460628	3-65	3 301	17,577	3.99	701	8 13,550	3.69 500	12-69	29	569	.06	29	39
15-11-0128	6480989	1460628	4-65	2 305	22,300	3.57	795	6 13,745	3.65 502	12-68	25	1,080	-.01	37	59
15-11-0134	5397261	1063381	4-61	6 304	17,575	3.91	688	6 15,082	3.75 565	4-69	44	666	.00	24	37
15-11-0134	6389071	1273756	7-65	2 305	19,995	3.61	722	11 14,920	3.70 552	5-69	40	860	.02	34	51
15-11-0158	5202934	1189870	12-60	7 303	19,166	3.67	703	9 15,094	3.63 548	7-69	44	754	.01	29	44
15-11-0158	5871471	1189870	9-63	4 305	18,733	3.88	727	6 15,288	3.58 547	5-69	44	659	.06	32	44
15-11-0158	6566222	1458744	3-66	2 305	23,175	3.30	765	12 15,710	3.46 543	1-70	40	1,300	-.04	41	68
15-13-0113	5240540	1290716	11-60	7 301	16,243	3.84	623	95 12,253	3.80 466	11-69	44	652	.10	38	48
15-13-0113	5740453	1273756	1-63	5 293	15,542	3.74	582	94 12,930	3.85 498	3-70	44	636	.02	26	38
15-13-0113	6149918	1231982	9-64	3 300	18,090	3.58	647	101 12,640	3.83 484	7-69	42	806	-.02	26	42
15-13-0113	6177028	1281050	11-64	2 305	19,070	3.44	656	108 13,035	3.84 500	9-68	40	814	-.06	20	38
15-13-0113	6261617	1281050	2-65	3 305	19,447	4									

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C MO-YR O	.....C O W MILK (L8)	I N O E X..... FAT FAT (%) (L8)	..... OOL- LARS
15-13-0121	5991033	1376785	9-63	4 305 21,837 3.74 817	11 18,572 3.75 697	1-69	37	854 .01 32	\$ 49
15-13-0121	6038041	1408640	3-64	4 305 21,237 3.74 795	12 15,627 3.63 567	10-69	37	965 .05 42	60
15-13-0121	6227956	1408640	2-65	3 305 19,456 3.83 746	13 15,816 3.67 581	9-69	35	663 .06 33	45
15-13-0121	6932323	1408640	10-67	1 305 25,070 3.53 886	5 18,740 3.35 628	12-69	27	767 .04 34	48
15-14-0002	6577923	1330987	5-66	2 305 18,250 4.03 735	11 15,215 3.46 527	3-70	40	645 .11 39	49
15-14-0116	6586888	1273756	9-65	2 305 20,280 3.43 696	21 15,330 3.48 534	4-69	40	851 .01 32	49
15-14-0116	7085085	1273756	11-66	1 305 21,690 3.57 774	18 15,960 3.44 549	4-69	36	798 .04 34	49
15-14-0141	6027953	1228022	5-62	5 301 18,578 3.57 663	20 16,602 3.54 587	6-69	44	840 -.05 23	41
15-14-0143	5684599	1237057	9-62	4 287 18,295 5.07 927	6 15,920 4.25 676	12-69	44	598 .11 38	47
15-14-0143	6383021	1254887	5-65	2 305 23,100 3.75 866	18 18,120 3.55 643	10-68	40	662 .03 28	40
15-14-0151	5099839	1228022	5-60	7 305 18,397 3.46 636	9 13,007 3.67 477	2-70	44	1,239 -.08 32	59
16-02-0039	6443071	1273756	2-64	4 251 19,452 3.36 653	6 16,620 3.56 591	7-69	44	699 -.01 24	38
16-02-0059	6001264	1329588	1-64	4 297 18,770 3.80 713	23 16,063 3.40 546	6-69	44	589 .04 27	38
16-02-0218	5647213	1273756	5-62	3 305 21,430 3.25 697	11 16,403 3.49 572	3-70	42	930 -.02 30	49
16-02-0218	5771939	1189870	3-63	4 302 21,830 3.22 702	19 16,398 3.69 605	9-69	44	918 -.07 22	42
16-02-0218	5840281	1189870	3-63	5 300 19,954 3.70 738	19 16,102 3.60 580	9-69	44	739 .02 30	44
16-02-0218	6187899	1240125	5-64	4 294 21,353 3.32 709	27 17,210 3.50 602	11-69	44	833 -.05 23	41
16-02-0218	6657909	1189870	7-66	2 305 23,210 3.77 874	23 18,405 3.53 649	11-69	40	763 .04 34	48
16-02-0218	6671394	1278644	2-65	3 301 22,673 3.33 756	24 16,787 3.56 598	11-69	42	1,075 -.09 26	49
16-02-0218	6753553	1458744	10-66	1 305 21,960 3.61 792	12 17,750 3.53 626	4-69	36	900 .00 32	50
16-04-0002	5224198	1273756	3-60	7 305 23,870 3.77 899	63 16,537 3.71 613	8-69	44	1,291 .04 53	77
16-04-0002	5337066	1325017	4-61	6 303 21,311 4.18 891	68 16,895 3.75 633	11-69	39	936 .06 43	60
16-04-0002	6039124	1273756	2-64	3 305 21,220 3.55 754	66 16,760 3.72 623	1-69	42	869 .00 32	49
16-04-0002	6039125	1273756	3-64	4 303 20,775 3.54 735	61 16,115 3.73 601	7-69	44	918 .00 33	51
16-04-0002	6421832	1273756	8-65	2 305 18,885 4.27 807	78 16,440 3.72 611	5-69	40	608 .10 37	46
16-04-0002	6493855	1273756	11-65	2 305 18,400 3.82 703	66 16,215 3.72 604	6-69	40	580 .04 27	37
16-04-0002	6493857	1273756	1-66	2 305 21,430 2.91 623	78 16,480 3.76 619	12-69	40	863 -.10 17	37
16-04-0002	6654852	1273756	7-66	2 305 20,185 3.94 796	86 17,010 3.74 636	1-70	40	688 .06 33	45
16-04-0002	6654853	1273756	7-66	2 305 20,200 4.10 828	82 16,595 3.76 624	12-69	40	728 .08 38	50
16-04-0013	4998830	1189870	11-59	7 303 18,933 3.91 740	32 15,451 3.70 572	7-69	44	682 .04 31	43
16-04-0013	5958060	1273756	11-63	5 300 18,896 3.56 672	33 14,774 3.68 544	9-69	44	854 .01 32	49
16-04-0013	6014444	1273756	8-63	4 305 19,535 3.53 689	31 15,822 3.62 573	2-69	44	798 .01 30	46
16-04-0013	6487843	1273756	10-65	3 298 20,540 3.45 708	29 17,183 3.52 605	3-70	42	747 .01 28	43
16-04-0013	6487844	1273756	10-65	3 296 19,926 3.52 701	33 17,183 3.51 603	1-70	42	676 .02 28	41
16-04-0013	6665478	1475058	5-66	3 292 21,933 3.47 760	34 16,440 3.54 582	1-70	32	974 -.02 32	52
16-04-0013	6665480	1475058	9-66	2 305 20,755 3.51 729	38 16,955 3.56 603	1-70	29	695 -.01 23	37
16-04-0013	6665481	1475058	9-66	2 300 23,635 3.33 787	37 16,345 3.58 585	12-69	29	1,110 -.05 32	55
16-04-0013	6673730	1475058	10-66	2 305 20,950 3.49 731	35 16,850 3.55 599	2-70	29	730 -.02 23	38
16-04-0013	6673733	1475058	10-66	2 303 20,545 3.39 696	37 16,345 3.58 585	12-69	29	736 -.04 21	37
16-04-0013	6732204	1475058	9-66	2 297 19,785 3.55 703	38 15,835 3.60 570	12-69	29	700 -.02 23	37
16-04-0013	6814550	1458744	1-67	2 297 21,060 3.73 786	37 17,840 3.49 622	2-70	40	891 .03 36	53
16-04-0013	6814554	1273756	3-67	1 291 22,890 3.41 781	35 15,270 3.64 556	6-69	36	933 .00 34	52
16-04-0015	4706712	1279964	7-58	8 305 20,366 3.54 721	38 16,886 3.62 612	10-68	37	758 .01 29	44
16-04-0015	5043931	1279965	11-59	3 305 23,640 3.42 808	53 18,417 3.63 669	12-68	29	808 -.05 22	39
16-04-0015	5043931	1279964	11-59	1 305 23,740 3.69 877	29 18,820 3.64 685	2-70	26	710 .04 31	44
16-04-0015	5153404	1279964	6-60	8 300 19,311 4.00 773	52 17,552 3.66 642	9-69	37	516 .09 32	40
16-04-0015	5880250	1280615	6-63	4 305 27,098 3.63 983	51 17,755 3.66 649	6-69	44	1,265 .02 49	73
16-04-0015	6041699	1322069	10-63	4 305 22,310 3.67 819	68 17,323 3.61 626	9-69	44	679 .02 28	41
16-04-0015	6320205	1398216	12-64	4 294 22,857 3.73 852	41 18,862 3.64 687	1-70	43	855 -.01 29	46
16-04-0015	6493848	1279964	11-65	2 305 24,345 3.53 859	35 18,775 3.63 682	2-69	32	923 .01 35	53
16-04-0015	6672294	1357743	9-66	2 293 22,710 3.65 830	61 17,225 3.68 634	12-69	40	710 -.02 22	37
16-04-0015	6799802	1279964	10-66	2 298 21,220 3.57 757	54 17,185 3.66 629	12-69	32	727 .02 29	43
16-04-0015	6799804	1330987	12-66	1 305 21,850 3.70 808	66 17,340 3.67 637	9-69	36	706 .04 32	45
16-04-0015	6823802	1476759	1-67	2 305 24,435 3.37 823	26 18,895 3.64 688	4-70	29	1,007 -.06 28	49
16-04-0015	6855974	1476759	4-67	2 305 22,620 3.46 782	32 18,630 3.65 680	3-70	29	817 -.04 24	41
16-04-0015	6855976	1476759	5-67	1 305 23,110 4.12 953	42 18,510 3.65 676	5-69	23	757 .06 36	50
16-04-0015	6908836	1279964	6-67	1 305 25,270 3.46 874	45 13,770 3.65 686	5-69	26	846 .00 31	48
16-04-0015	6955165	1476759	8-67	1 305 26,360 3.41 900	47 18,090 3.64 659	6-69	23	1,086 -.04 33	56
16-04-0015	6955168	1476759	9-67	1 299 23,570 3.74 882	47 18,090 3.64 659	6-69	23	833 .01 31	47
16-04-0015	6955170	1476759	9-67	1 300 23,120 3.31 766	50 17,640 3.68 650	8-69	23	829 -.05 22	40
16-04-0015	6970024	1476759	11-67	1 305 23,850 3.38 807	53 17,060 3.70 632	9-69	23	942 -.05 27	47
16-04-0015	6970025	1476759	11-67	1 305 25,300 3.32 841	47 17,540 3.72 652	12-69	23	1,035 -.06 28	50
16-04-0023	6543081	1273756	9-65	3 305 16,980 3.64 618	30 13,000 3.73 485	8-69	42	770 .02 30	45
16-04-0023	6588804	1273756	11-64	3 305 17,200 3.48 599	30 13,040 3.71 484	12-69	42	791 .00 28	44
16-04-0060	5358682	1063381	6-61	4 278 17,130 3.67 628	17 13,600 3.68 500	7-69	44	766 -.02 24	40
16-04-0060	6036548	1085978	10-63	4 305 18,363 3.62 664	11 13,675 3.67 502	11-69	44	1,003 -.03 32	53
16-04-0060	6130089	1085978	1-64	4 303 17,425 3.49 609	13 14,000 3.61 505	1-70	44	851 -.04 25	43
16-04-0060	6130091	1085978	5-64	4 305 18,973 3.34 633	13 14,770 3.57 528	2-70	44	957 -.06 26	46
16-04-0060	6461227	1273756	8-65	2 305 18,050 3.35 605	15 14,690 3.64 535	9-69	40	683 -.01 23	37
16-04-0111	7182893	010275932	1-66	1 305 23,000 3.63 836	9 15,550 4.06 632	11-69	35	714 -.02 23	38
16-04-0211	6269127	1273756	4-65	3 305 16,616 3.56 591	63 13,923 3.61 503	10-69	42	633 .01 25	37
16-04-0211	6294991	1273756	4-65	3 305 18,870 3.59 677	64 13,730 3.63 499	9-69	42	912 .02 36	54
16-04-0211	6496835	1319421	9-65	2 290 18,880 3.32 626	46 13,400 3.63 487	10-68	34	813 -.05 22	39
16-04-0212	5208020	1189870	12-59	5 298 22,104 3.83 847	46 17,570 3.78 664	10-69	44	845 .02 34	50
16-04-0212	6176179	1432733	1-64	5 301 22,742 3.65 830	40 17,922 3.73 669	3-70	39	1,147 -.01 40	63
16-04-0212	6176180	1432733	1-64	4 305 19,267 4.04 779	45 17,325 3.76 651	12-69	38	724 .06 35	48
16-04-0212	6176182	1432733	2-64	3 305 20,386 4.03 821	38 17,526 3.82 670	12-68	37	833 .05 37	52
16-04-0212	6726634	1434589	10-66	1 305 24,830 3.77 935	40 18,580 3.70 688	2-69	24	708 .04 31	44
16-04-0212	6726664	1239242	6-66	2 305 22,980 3.38 777	43 18,030 3.76 678	9-69	40	811 -.06 21	38
16-04-0212	6726665	1239242	7-66	2 305 23,490 3.35 787	49 18,275 3.80 694	11-69	40	841 -.07 20	38
16-04-0212	6953473	1432733	2-67	1 305 23,180 3.75 870	30 17,780 3.64 647	7-69	29	955 .02 37	55
16-04-0212	6953474	1432733	4-67	1 299 21,160 3.95 835	51 19,030 3.73 709	11-69	29	694 .03 29	42
16-04-0212	6953481	1432733	10-67	1 305 27,200 3.09 851	49 18,880 3.71 701	1-70	29	1,206 -.08 31	57
16-04-0212	6996227	1505968	10-67	1 305 27,680 3.82 1058	58 18,810 3.73 701	1-70	19	889 .03 36	53
16-04-0215	6495261	1273756	6-65	3 304 17,653 3.44 608	16 14,393 3.75 540	7-69	42	703 -.01 24	38

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (L8)	I N D E X..... FAT (%) FAT (%) DOL- (L8) (L8) LARS
16-04-0224	5954953	1273756	12-63	4 305 22,825 3.39 773	40 18,430 3.64 671	3-70	44	914 -.03 29 \$ 48
16-04-0224	6115930	1273756	12-63	3 305 22,037 3.44 758	37 18,320 3.65 669	2-69	42	801 -.01 27 43
16-04-0224	6151077	1273756	10-64	3 305 20,996 3.53 742	31 18,083 3.69 668	3-69	42	706 .00 26 40
16-04-0224	6392470	1273756	3-65	2 305 25,020 3.42 855	49 18,290 3.62 663	11-68	40	1,062 -.01 37 58
16-04-0224	6392472	1273756	4-65	3 305 20,433 3.78 773	43 18,753 3.59 673	10-69	42	572 .06 29 39
16-04-0224	6461607	1273756	1-65	2 305 22,330 3.36 750	33 18,335 3.63 666	3-69	40	785 -.02 26 42
16-04-0224	6764728	1273756	3-66	2 305 21,905 3.98 871	40 18,680 3.58 668	10-69	40	710 .08 38 50
16-04-0224	6764731	1273756	4-66	2 305 21,245 3.89 827	45 18,845 3.59 676	11-69	40	628 .07 33 44
16-04-0224	6764739	1273756	9-66	1 305 22,950 3.79 869	15 17,170 3.56 611	5-69	36	810 .05 37 52
16-04-0224	6764740	1273756	11-66	1 305 22,390 3.58 801	31 19,680 3.52 693	10-69	36	600 .03 26 37
16-04-0224	6764742	1273756	1-67	1 305 22,100 3.70 817	32 18,900 3.56 673	9-69	36	631 .04 29 40
16-04-0224	6810823	1273756	7-66	2 305 21,135 3.70 782	34 17,890 3.62 648	9-69	40	704 .04 31 44
16-04-0224	6810824	1273756	8-66	1 305 23,510 3.41 801	11 17,660 3.52 621	4-69	36	819 .01 31 47
16-04-0224	6810825	1273756	1-67	1 305 23,670 3.47 822	42 20,010 3.55 710	11-69	36	674 .02 27 40
16-04-0224	6990104	1348259	8-67	1 305 23,500 3.43 805	33 19,080 3.57 682	2-70	36	731 -.01 25 40
16-04-0224	6990110	1348259	10-67	1 305 24,780 4.02 996	33 19,080 3.57 682	2-70	36	826 .06 39 54
16-04-0226	5958846	1231982	10-63	5 302 21,490 2.95 634	14 15,246 3.82 583	4-70	44	1,011 -.15 14 38
16-04-0226	6627629	1273756	12-64	3 301 17,053 3.51 599	14 14,070 3.77 530	10-69	42	668 .00 24 37
16-04-0230	6876551	1189870	11-61	3 305 20,823 3.49 727	20 16,847 3.68 620	1-70	42	712 -.03 22 37
16-04-0230	6917179	1273756	1-66	2 292 17,510 3.99 699	18 14,195 3.61 513	5-69	40	674 .07 35 47
16-04-0235	6496841	1309574	12-65	2 305 18,985 3.67 697	56 14,675 3.75 551	9-69	40	677 .03 29 42
16-04-0235	6496842	1309574	1-66	2 305 19,335 3.72 719	57 14,710 3.76 553	8-69	40	710 .04 31 44
16-04-0314	5614731	1370969	6-62	5 297 18,842 3.63 684	19 14,988 3.63 544	8-69	36	712 .01 27 41
16-04-0314	6185981	1399018	10-64	3 305 20,940 3.19 668	21 16,090 3.47 559	1-69	34	811 -.06 20 38
16-04-0314	6530042	1464513	3-66	2 305 23,440 3.22 754	25 15,905 3.55 564	3-70	28	1,120 -.08 29 53
16-04-0314	6680490	1464513	6-66	2 305 21,980 3.29 724	25 14,935 3.60 538	11-69	28	1,048 -.07 28 50
16-04-0314	6898657	1370969	8-67	1 305 22,160 3.70 819	23 14,720 3.63 535	12-69	26	807 .02 32 48
16-04-0403	5567128	1273756	4-62	3 305 19,896 3.46 688	17 17,133 3.60 617	11-69	42	678 .00 25 38
16-04-0411	6554093	1273756	2-66	1 305 20,860 3.36 700	33 16,840 3.59 605	10-69	36	677 .00 25 38
16-06-0020	5934012	1199324	5-63	5 300 16,482 3.60 594	13 13,472 3.63 489	4-70	44	829 -.01 28 45
16-06-0020	6545826	1237057	2-66	2 302 18,705 3.44 644	22 13,160 3.52 463	12-69	40	852 -.05 23 41
16-06-0030	6040304	1329588	3-64	3 305 19,950 3.20 639	13 13,847 3.76 520	1-70	42	935 -.09 20 41
16-06-0030	6293383	1273756	6-64	4 300 16,945 3.75 635	10 13,842 3.63 502	10-69	44	698 .04 31 44
16-06-0030	6932145	1309574	4-67	1 305 18,330 3.51 643	13 12,750 3.55 453	6-69	36	654 .03 28 40
16-06-0037	7062433	1273756	12-63	2 305 17,805 3.35 596	23 14,030 3.56 499	1-70	40	719 .00 26 40
16-06-0048	5956925	1273756	7-62	5 294 20,288 3.75 760	23 16,068 3.85 619	2-69	44	884 .01 34 51
16-06-0048	5956929	1273756	9-62	5 301 19,198 3.60 692	39 15,842 3.86 611	6-69	44	769 -.01 27 42
16-06-0048	6266481	1273756	9-63	4 297 18,795 3.67 690	37 16,087 3.89 626	9-69	44	677 .00 24 37
16-06-0048	6445602	1273756	8-65	3 304 20,160 3.57 719	25 16,493 3.84 634	1-70	42	774 -.01 27 42
16-06-0048	6735739	1347940	11-66	2 305 22,210 3.52 782	22 17,480 3.72 651	3-70	40	1,052 -.03 34 56
16-06-0048	6737114	1273756	9-66	1 291 20,120 3.47 699	52 15,810 3.81 603	6-69 H	36	691 .00 25 39
16-06-0064	5986135	1273756	6-62	5 303 19,320 3.35 648	8 15,336 3.60 552	10-69	44	844 -.02 28 45
16-06-0064	6425702	1278644	12-65	3 305 20,507 3.42 701	5 16,443 3.53 580	2-70	42	861 -.07 21 40
16-06-0084	5574324	1273756	9-61	7 302 19,432 4.00 777	27 16,842 3.75 632	12-69	44	683 .07 35 47
16-06-0084	5867020	1211384	2-63	4 305 22,955 3.82 877	28 16,800 3.79 636	10-69	44	877 .02 34 51
16-06-0096	5840119	1273756	3-63	5 303 15,972 3.59 574	18 12,962 3.62 469	2-70	44	687 .02 28 41
16-06-0096	5961352	1273756	10-63	4 305 18,102 3.34 605	13 13,532 3.66 495	4-69	44	875 -.02 28 46
16-06-0098	5787140	1330987	10-62	4 305 17,225 3.80 654	20 14,875 3.69 549	12-69	44	607 .06 30 41
16-06-0100	6167899	1273756	3-64	3 305 18,820 3.30 621	17 14,836 3.54 525	3-69	42	792 -.01 27 43
16-06-0125	6432970	1273756	1-64	3 305 17,396 3.75 653	21 14,563 3.85 560	1-69	42	656 .02 27 39
16-06-0125	6854118	1290716	7-66	2 301 19,645 4.19 824	22 15,190 3.73 566	6-69	40	632 .16 46 55
16-06-0128	5467354	1273756	1-62	4 235 18,582 3.69 685	28 15,125 3.63 549	2-70	44	757 .03 32 46
16-06-0128	5701985	1273756	4-62	4 250 19,852 3.49 692	15 16,260 3.55 577	7-69	44	788 .01 30 45
16-06-0128	6013392	1273756	8-63	3 305 19,696 3.73 735	26 16,560 3.55 588	5-69	42	714 .05 33 46
16-06-0128	6750055	1273756	10-66	2 303 23,800 3.27 778	22 16,550 3.60 595	2-70	40	1,097 -.03 35 58
16-06-0130	5201261	1290716	8-60	6 303 19,760 3.71 734	69 14,740 3.68 542	2-69	44	819 .09 43 57
16-06-0130	5814723	1390147	9-62	5 302 18,788 3.82 718	63 15,072 3.63 547	2-70	35	555 .06 29 38
16-06-0130	6293384	1273756	9-64	3 298 18,786 3.81 716	74 14,853 3.70 549	9-68	42	786 .05 35 49
16-06-0130	6293418	1254887	8-64	3 305 21,510 3.71 797	63 15,803 3.71 586	2-69	42	788 .00 29 45
16-06-0130	6315956	1273756	9-64	3 305 20,650 3.85 795	36 15,426 3.76 580	6-69	42	941 .05 41 58
16-06-0137	4602813	1246708	5-58	7 304 18,690 4.06 759	19 17,082 3.76 642	7-69	39	527 .08 31 39
16-06-0137	4780240	1094305	11-58	8 305 19,720 4.43 874	25 16,776 3.74 628	11-69	44	427 .14 35 40
16-06-0137	6245107	1346121	12-64	3 305 23,027 3.95 910	22 18,450 3.76 694	2-70	41	556 .05 28 38
16-06-0137	6583756	1454800	12-65	2 305 18,565 4.43 822	25 17,050 3.71 632	8-69	35	447 .12 33 39
16-06-0162	4547351	1273756	1-58	9 301 16,921 3.76 636	17 14,412 3.73 538	1-70	44	641 .03 28 40
16-06-0162	5766463	1273756	1-63	4 301 20,452 3.74 765	18 15,295 3.75 574	4-69	44	969 .03 39 58
16-06-0162	5766464	1273756	2-63	5 301 20,412 3.64 744	20 15,062 3.77 568	10-69	44	1,016 .01 38 58
16-06-0162	5867943	1273756	7-63	5 305 20,976 3.96 831	23 15,620 3.75 586	12-69	44	1,024 .07 48 66
16-06-0162	5867944	1273756	7-63	5 302 17,490 4.05 708	19 15,246 3.75 572	2-70	44	618 .07 33 43
16-06-0162	6154979	1273756	10-64	3 305 18,493 3.74 691	22 14,896 3.88 578	10-69	42	748 .01 29 43
16-06-0162	6214749	1273756	11-64	3 301 18,633 3.75 698	24 16,323 3.71 605	1-69	42	616 .03 27 38
16-06-0162	6214750	1273756	1-65	4 303 20,667 3.55 733	23 16,365 3.70 606	2-70	44	877 .00 32 49
16-06-0162	6339590	1273756	2-65	3 305 18,620 3.64 678	19 15,236 3.78 576	6-69	42	727 .01 28 42
16-06-0162	6663317	1290716	8-66	2 297 17,520 4.24 742	21 15,105 3.71 561	9-69	40	423 .16 38 43
16-06-0166	5419757	1331434	11-61	2 305 18,985 4.17 792	27 14,410 3.74 539	4-69	30	819 .06 39 54
16-06-0166	5869624	1409814	3-63	4 305 19,110 3.54 676	35 14,130 3.60 509	8-69	32	916 -.01 31 50
16-06-0184	6410046	1273756	7-65	2 305 21,210 3.62 767	6 13,935 3.58 499	10-68	40	1,073 .03 43 64
16-06-0199	5880216	1273756	6-63	5 303 16,758 3.38 567	16 13,678 3.58 490	7-69	44	706 .00 25 39
16-06-0199	6074622	1273756	1-64	3 293 16,663 3.58 597	18 13,963 3.64 508	6-69	42	634 .02 26 38
16-06-0201	5189746	1273756	3-60	7 301 19,328 3.48 672	12 15,732 3.64 572	5-69	44	799 .00 29 45
16-06-0201	6423842	1273756	8-65	2 305 20,755 3.53 733	8 15,495 3.81 590	2-69	40	884 -.01 31 49
16-06-0204	6582535	1273756	8-64	4 305 18,605 3.81 708	20 14,722 3.82 563	3-70	44	805 .03 33 48
16-06-0206	5836695	1273756	9-61	4 305 18,925 3.58 678	12 15,312 3.97 608	12-68	44	779 -.02 25 41
16-06-0217	5608631	1273756	1-62	5 305 20,490 3.45 706	20 14,908 3.73 556	7-69	44	1,044 -.02 35 56
16-06-0225	6452236	1221835	1-66	3 299 24,907 3.72 926	16 17,923 3.82 685	12-69	42	1,174 -.02 39 63

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS		
16-06-0234	5971835	1273756	11-63	4 305	17,210	3.71	639	21	13,552	3.79	513	3-69	44	763	.02	30	\$ 45
16-06-0239	6735740	1347940	12-66	2 298	17,865	3.96	708	39	15,415	3.79	584	11-69	40	799	.02	32	47
16-06-0247	5967754	1402163	11-63	4 305	22,535	3.43	773	30	17,147	3.78	648	10-69	37	906	-.09	20	40
16-06-0247	6353552	1273756	1-64	3 305	20,163	3.67	740	31	16,986	3.80	645	9-68	42	724	.01	28	42
16-06-0247	6768382	1237057	1-67	1 305	22,300	3.71	827	24	16,680	3.64	607	6-69	36	755	-.04	22	38
16-06-0249	7260128	1348259	11-67	1 302	23,090	3.79	875	14	18,700	3.52	658	1-70	36	726	.04	32	45
16-06-0269	5533844	1244845	3-62	6 305	21,985	3.52	773	22	15,908	3.73	593	9-69	44	1,022	-.06	28	50
16-06-0269	6583691	1273756	8-65	3 303	22,016	3.71	816	28	17,446	3.73	650	3-70	42	889	.03	36	53
16-06-0269	6583692	1273756	9-65	3 298	20,493	3.55	727	30	17,773	3.67	653	1-70	42	680	.00	25	38
16-06-0269	6583695	1479547	9-65	2 273	21,570	3.66	789	30	17,985	3.68	661	12-69	31	705	.00	26	40
16-06-0269	6786915	1273756	8-66	2 305	20,970	3.68	772	37	18,135	3.68	667	12-69	40	665	.03	28	40
16-06-0272	5665250	010260599	8-62	4 305	20,253	3.62	734	25	15,245	3.63	553	3-69	43	867	-.06	23	42
16-06-0272	6634161	1449450	6-66	2 305	20,085	3.32	667	19	13,780	3.66	505	9-69	25	796	-.05	21	38
16-06-0272	6994210	1458744	11-67	1 305	18,330	3.42	627	14	15,210	3.60	547	2-70	36	800	-.03	25	42
16-06-0280	4842225	1192713	1-59	6 305	19,835	3.82	757	20	15,993	3.70	591	10-68	44	861	.02	34	51
16-06-0280	6378220	1199324	1-64	4 305	23,615	3.34	789	18	15,740	3.65	574	12-69	44	1,448	-.07	42	72
16-06-0319	6397084	1273756	7-65	3 299	15,703	3.59	563	37	12,903	3.70	478	8-69	42	633	.01	25	37
16-06-0319	6397085	1273756	8-65	2 299	15,870	3.65	580	33	13,085	3.68	482	7-69	40	609	.02	25	37
16-06-0319	6532920	1273756	3-66	2 305	18,990	3.26	620	35	13,890	3.62	503	11-69	40	852	-.02	28	45
16-06-0338	5873140	1237057	7-63	2 305	20,000	3.64	727	29	15,325	3.54	543	9-68	40	785	-.03	24	40
16-06-0338	6187095	1273756	11-64	3 305	19,256	3.12	601	31	15,666	3.56	557	12-69	42	756	-.04	21	37
16-06-0338	6466389	1273756	11-64	3 300	20,216	3.31	669	38	15,123	3.70	559	6-69	42	923	-.03	29	48
16-06-0338	6500802	1273756	9-65	2 305	20,125	3.70	745	26	16,800	3.40	572	7-69	40	701	.06	34	46
16-06-0338	6750056	1273756	10-66	2 304	19,425	3.47	675	40	16,950	3.52	597	1-70	40	617	.02	25	37
16-06-0338	6750057	1273756	10-66	1 305	18,600	4.01	746	40	16,320	3.47	567	12-68	36	543	.08	31	40
16-06-0338	6750059	1273756	11-66	2 305	18,290	3.82	698	41	16,725	3.52	588	12-69	40	522	.06	28	37
16-06-0338	6996461	1278644	10-67	1 305	22,210	3.48	773	45	16,780	3.58	600	11-69	36	828	-.07	20	38
16-06-0364	7234881	1273756	4-67	1 300	22,230	2.90	645	5	17,110	3.31	567	10-69	36	761	-.03	23	39
16-06-0369	6759373	1273756	11-66	2 305	19,610	3.39	665	18	16,515	3.59	593	12-69	40	675	.00	24	37
16-06-0393	5820922	1254887	1-63	4 302	19,958	4.10	819	17	14,330	3.80	544	6-69	44	808	.06	38	53
16-06-0396	6781497	1273756	3-66	1 305	21,990	3.77	828	17	19,210	3.32	638	10-69	36	602	.07	32	42
16-06-0396	6781498	1273756	5-66	1 305	20,930	3.76	787	10	18,130	3.39	615	8-69	36	596	.06	30	40
16-06-0396	6781501	1273756	12-66	1 305	25,440	2.76	702	5	16,160	3.59	580	7-69	36	1,064	-.08	26	49
16-06-0396	7044586	1273756	10-66	1 305	25,020	2.69	672	19	19,420	3.29	639	11-69	36	814	-.06	20	38
16-10-0008	5527706	1273756	12-61	5 260	19,258	4.05	779	21	16,398	3.87	635	1-69	8 44	712	.06	35	48
16-10-0014	6064343	1273756	2-64	4 305	17,122	4.09	701	43	14,695	3.81	560	7-69	44	625	.07	33	44
16-10-0014	6361157	1306247	3-65	3 300	16,906	3.77	638	66	14,476	3.80	550	8-69	42	709	-.02	23	37
16-10-0014	6444631	1280615	8-65	3 305	21,250	3.34	710	37	13,890	3.81	529	3-70	42	912	-.04	27	46
16-10-0014	6489447	1290716	7-65	3 305	17,560	3.42	601	43	13,937	3.87	540	11-69	42	581	.03	26	37
16-10-0014	6489448	1273756	7-65	3 301	17,420	4.17	726	42	14,240	3.84	547	12-69	42	692	.08	36	48
16-10-0014	7065471	1312008	8-67	1 305	19,770	3.58	708	60	13,530	3.70	501	9-69	36	582	.05	28	38
16-10-0017	6389576	1273756	9-65	2 305	19,585	3.44	673	33	15,590	3.74	583	8-69	40	757	-.01	26	41
16-10-0017	6474472	1273756	8-65	3 305	17,870	3.88	694	38	15,690	3.63	569	10-69	42	594	.06	30	40
16-10-0017	6736968	1273756	9-66	2 305	19,595	3.61	708	38	16,435	3.67	603	12-69	40	681	.02	27	40
16-10-0029	6508513	1268297	1-66	3 286	19,760	4.00	791	29	14,280	4.06	580	11-69	42	806	.07	39	53
16-10-0029	6695546	1268297	10-66	2 305	18,150	4.07	739	44	14,545	3.96	576	2-70	40	543	.09	32	41
16-10-0029	6774010	1268297	1-67	1 305	20,240	3.84	778	46	15,150	3.93	596	6-69	35	574	.06	30	40
16-10-0029	6774016	1239242	11-66	1 290	20,350	3.88	790	84	14,820	4.04	598	8-69	8 36	703	-.01	24	38
16-10-0032	6014995	1244009	7-63	4 305	22,145	3.67	812	31	18,645	3.74	698	12-69	44	903	-.04	26	45
16-10-0032	6028885	1259069	11-63	4 305	21,925	3.89	853	21	18,267	3.79	693	9-69	44	653	.00	24	37
16-10-0032	6081779	1303198	2-64	3 305	24,677	3.46	855	29	19,163	3.64	698	2-69	42	867	-.03	27	45
16-10-0039	5933795	1421195	8-63	3 305	16,207	4.45	721	39	13,083	3.85	504	8-69	34	544	.11	36	44
16-10-0039	6077084	1421195	12-63	4 305	17,118	3.83	656	46	14,045	3.77	529	2-70	35	576	.04	26	37
16-10-0039	6428524	1244845	6-65	3 305	20,247	3.02	612	74	13,163	3.81	501	9-69	42	1,026	-.13	17	41
16-10-0039	6588610	1415661	5-66	2 302	20,865	4.15	865	40	14,640	3.84	562	11-69	30	785	.11	44	57
16-10-0039	6635780	1273756	10-66	1 305	19,160	3.76	720	60	15,240	3.99	608	8-69	36	657	.02	26	39
16-10-0039	6635781	1273756	11-66	2 305	16,380	4.43	725	43	14,390	3.89	560	2-70	40	541	.09	33	41
16-10-0039	6840438	1273756	2-67	1 305	19,390	3.66	709	60	15,240	3.99	608	8-69	36	675	.00	25	38
16-10-0048	5665884	1273756	4-62	5 305	19,480	3.62	706	21	16,648	3.57	594	11-68	44	712	.03	30	43
16-10-0048	6900483	1348259	5-67	1 305	20,370	3.74	762	27	16,140	3.64	587	5-69	36	695	.02	28	41
16-10-0053	6719033	1273756	9-66	2 305	19,435	3.85	749	6	17,730	3.59	636	2-70	40	546	.06	29	38
16-10-0053	6719036	1273756	12-66	1 305	21,590	3.73	806	14	17,690	3.71	656	7-69	36	674	.03	29	42
16-10-0053	6914835	1312008	7-67	1 305	22,390	3.79	849	14	17,350	3.80	660	10-69	36	521	.06	28	37
16-10-0064	5552510	1189870	1-62	4 305	23,803	3.21	764	16	17,010	3.64	620	4-70	44	1,094	-.08	28	52
16-10-0064	5706319	1199324	10-62	6 294	19,671	3.44	677	17	17,588	3.56	627	1-70	44	763	-.04	22	38
16-10-0064	6903842	1348259	8-67	1 305	23,240	3.50	814	31	18,320	3.54	649	11-69	36	762	.00	28	43
16-10-0087	6853622	1261857	5-67	1 305	18,620	3.56	662	9	14,300	3.64	520	9-69	36	795	.06	37	51
16-10-0090	6500997	1273756	10-65	2 192	20,240	3.53	715	9	15,220	3.65	555	2-69	8 40	857	.01	32	49
16-10-0091	5868462	1395826	4-63	4 305	20,420	3.66	748	97	15,007	3.64	546	10-69	37	935	-.02	31	50
16-10-0113	6586180	1273756	12-65	2 304	17,875	3.56	636	10	12,845	3.75	482	5-69	40	834			

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
16-10-0135	6215407	1273756	6-64	4 305	20,097	3.72	747	5	14,715	3.93	578	1-70	44	990	.01	37	\$ 56
16-12-0015	6107687	1273756	5-64	3 274	19,056	3.77	719	16	15,630	3.66	572	9-68	8 42	737	.04	33	47
16-12-0016	6120889	1273756	3-64	2 302	21,310	3.41	726	11	17,345	3.74	648	9-69	40	772	-.02	25	41
16-12-0020	6594662	010266893	4-63	3 305	24,700	2.86	707	13	16,897	3.50	592	2-69	29	1,154	-.16	18	45
16-12-0023	5130908	1063381	6-60	5 305	17,226	3.73	642	28	13,232	3.91	518	8-69	44	835	-.04	24	42
16-12-0023	5590317	1273756	3-62	4 302	16,947	3.80	644	20	14,287	3.94	563	9-69	44	649	.01	25	38
16-12-0023	6065270	1273756	1-64	3 305	17,753	4.02	714	24	13,766	3.86	532	11-68	42	780	.06	37	51
16-12-0026	4777942	1273756	12-58	2 305	19,880	3.90	776	25	18,195	3.70	673	11-68	40	549	.06	28	37
16-12-0026	5438110	1189870	10-61	6 298	21,832	3.51	767	27	16,752	3.71	622	12-69	44	905	-.02	29	48
16-12-0026	5624808	1189870	7-62	4 305	20,498	4.08	837	21	18,025	3.72	671	3-70	44	573	.07	31	41
16-12-0026	5952883	1237057	12-63	4 305	20,345	3.64	740	28	16,070	3.76	605	8-69	44	834	-.05	23	41
16-12-0026	6661679	1485648	11-66	2 305	22,115	3.64	805	16	17,925	3.74	670	4-70	30	759	.00	27	42
16-12-0026	6751873	1485648	1-67	1 305	23,050	3.83	883	17	17,540	3.72	653	5-69	25	755	.03	31	45
16-12-0027	6631360	1460590	5-66	2 296	20,820	3.53	735	35	15,560	3.52	548	10-69	25	686	.00	25	39
16-12-0034	5809976	1303502	2-63	5 302	23,774	3.37	800	8	16,692	3.53	590	3-69	44	1,054	-.04	32	54
16-12-0042	5452675	1273756	9-61	5 303	17,484	3.65	639	21	14,728	3.66	539	7-69	44	677	.02	28	41
16-12-0042	5722571	1273756	11-62	5 292	20,890	3.52	736	11	17,060	3.60	615	2-70	44	846	.01	32	49
16-12-0042	6153564	1273756	8-64	3 305	18,460	3.72	687	21	16,546	3.56	589	8-69	42	573	.05	28	38
16-12-0042	6153566	1273756	10-64	2 305	18,460	3.84	708	23	15,065	3.64	549	5-69	40	691	.05	32	44
16-12-0042	6264863	1231982	12-64	3 305	21,907	3.13	685	21	15,773	3.62	571	8-69	42	922	-.08	21	41
16-12-0042	6264864	1231982	2-65	3 305	21,787	3.45	751	19	15,990	3.60	575	12-69	42	885	-.03	28	46
16-12-0056	5613511	1273756	3-62	5 301	17,990	3.76	676	6	14,642	3.73	546	3-69	44	753	.03	32	46
16-12-0056	6302151	1428649	9-63	4 289	18,322	3.57	655	14	14,715	3.68	542	5-69	38	768	-.05	21	37
16-12-0056	6307022	1375967	5-65	2 305	20,865	3.48	727	18	14,410	3.69	532	10-68	40	989	-.11	20	42
16-12-0056	6397177	1273756	8-65	3 304	18,830	3.41	642	11	14,313	3.59	514	10-69	42	847	.00	30	47
16-12-0058	6228937	1273756	6-63	4 271	16,305	3.51	572	27	12,572	3.75	471	8-69	8 44	760	.00	27	42
16-12-0058	6228939	1273756	2-64	3 305	15,576	3.81	594	24	12,326	3.78	466	1-69	42	678	.04	30	42
16-12-0063	6167901	1273756	3-64	3 305	22,176	3.64	808	14	18,640	3.43	640	12-68	H 42	784	.05	36	50
16-12-0079	6538663	1273756	12-65	2 305	19,475	3.87	754	13	15,840	3.60	570	4-69	40	723	.06	35	48
16-12-0080	5302817	1290716	9-60	6 297	18,668	4.17	778	23	15,683	3.76	590	11-68	44	565	.16	43	50
16-12-0080	5558620	1273756	11-61	5 305	19,342	3.85	745	18	17,140	3.72	637	2-70	44	637	.05	30	41
16-12-0080	6927684	1375967	1-67	2 305	23,530	3.78	889	18	18,405	3.77	693	2-70	40	894	-.07	22	41
16-12-0081	5292423	1189870	10-60	3 305	19,650	3.51	690	36	13,623	3.77	514	9-68	42	911	-.03	29	48
16-12-0081	5496488	1273756	7-61	6 303	16,430	4.10	674	32	14,155	3.74	530	9-68	44	608	.08	34	44
16-12-0083	5975110	1085978	11-63	4 305	20,443	3.22	659	33	16,515	3.30	545	1-70	44	945	-.05	27	47
16-12-0083	6130069	1273756	8-64	4 299	19,882	3.48	692	21	16,017	3.56	571	9-69	44	819	.01	31	47
16-12-0083	6338254	1063381	1-61	3 293	18,907	3.42	647	14	15,093	3.57	539	9-69	42	794	-.05	21	38
16-12-0083	6338870	1424030	5-65	3 260	25,403	3.25	826	31	16,810	3.31	557	1-70	32	1,378	-.05	42	71
16-12-0083	6659277	1329588	5-66	2 285	20,960	3.14	658	16	14,990	3.49	523	6-69	40	859	-.07	20	39
16-12-0101	5853901	1199324	3-63	5 305	17,060	3.39	579	29	13,810	3.64	502	12-69	44	865	-.05	24	42
16-12-0101	6489879	1273756	1-66	2 305	16,670	3.89	648	25	13,660	3.65	499	12-69	40	637	.06	31	42
16-12-0121	6200953	1294703	1-64	4 298	20,025	3.40	681	14	14,453	3.67	531	2-70	8 43	1,074	-.07	28	51
16-12-0129	4892454	1273756	6-59	5 305	19,654	3.70	727	13	14,952	3.59	537	2-69	44	931	.04	40	57
16-12-0129	7026171	1330987	1-68	1 305	19,720	3.56	703	10	15,630	4.06	635	4-70	36	662	.00	24	37
16-12-0130	3873521	831870	6-54	8 305	20,809	3.71	773	18	16,338	3.59	587	11-68	44	731	-.01	25	40
16-12-0130	5697185	1085978	9-62	5 304	20,950	3.41	714	24	17,128	3.60	617	11-69	44	956	-.06	26	46
16-12-0130	6045629	1085978	3-64	4 305	21,873	3.43	751	31	17,103	3.60	615	9-69	44	1,056	-.05	30	52
16-12-0134	5829718	1237057	7-62	3 305	19,323	3.86	745	17	15,533	3.75	582	5-69	42	741	-.02	24	39
16-12-0134	5971037	1298197	12-63	4 293	21,945	3.54	777	22	15,763	3.88	611	1-70	43	1,055	-.09	25	48
16-12-0155	6623723	1273756	6-65	3 296	23,286	3.35	779	7	17,196	3.45	594	12-69	42	1,061	.00	38	59
16-12-0168	6514573	1273756	10-65	2 305	17,865	3.20	572	8	14,100	3.46	488	5-69	40	719	-.01	24	39
16-12-0169	6693373	1443113	10-66	1 305	20,670	3.06	632	6	14,560	3.44	501	5-69	24	931	-.10	18	39
16-14-0003	6264325	1273756	11-64	3 305	21,563	3.64	785	26	16,090	3.83	617	1-70	42	977	.01	36	55
16-14-0003	6480053	1273756	10-65	3 305	21,003	3.69	774	22	16,216	3.84	622	1-70	42	900	.01	34	52
16-14-0003	6482119	1273756	12-65	3 305	21,066	3.52	741	22	16,880	3.75	633	2-70	42	838	-.01	29	46
16-14-0003	6749368	1273756	12-66	2 305	20,015	3.75	751	9	17,155	3.67	629	3-70	40	658	.04	29	41
16-14-0005	5433644	1273756	9-61	5 305	17,740	3.44	611	16	14,462	3.77	545	2-69	44	741	-.02	24	39
16-14-0014	5564976	1190547	3-62	6 305	21,862	3.60	788	44	17,305	3.53	611	3-70	39	933	.00	33	52
16-14-0014	5644199	1237057	8-62	4 305	22,463	3.41	765	63	17,995	3.58	644	2-70	44	882	-.07	21	40
16-14-0014	5644200	1237057	8-62	3 305	25,153	3.33	837	67	17,043	3.63	619	12-68	42	1,255	-.09	31	58
16-14-0014	5879866	1199324	4-63	3 305	21,663	3.35	726	50	17,610	3.55	625	12-68	42	973	-.05	28	48
16-14-0014	5923979	1242163	9-63	1 305	27,820	3.06	852	69	19,220	3.49	670	2-70	36	1,081	-.19	11	37
16-14-0014	6066747	1415806	4-64	4 305	24,942	3.03	756	64	17,067	3.62	617	2-70	42	966	-.12	17	39
16-14-0014	6177256	1330987	10-64	4 299	18,690	3.85	720	78	16,890	3.61	610	8-69	44	564	.07	31	40
16-14-0014	6336720	1339807	6-65	3 305	20,493	3.55	728	76	17,036	3.60	613	10-69	34	734	-.02	24	39
16-14-0014	6482276	1237057	1-66	2 305	22,285	3.87	863	63	17,690	3.62	641	12-68	40	801	.00	29	45
16-14-0014	6573059	1339807	3-66	2 305	24,670	3.14	774	76	17,115	3.48	595	7-69	31	1,171	-.08	30	55
16-14-0014	6581239	1339807	6-66	2 295	21,430	3.92	841	67	18,150	3.52	639	11-69	31	683	.06	33	45
16-14-0014	6693127	1070036	11-66	1 305	24,500	3.27	801	78	19,460	3.46	673	1-70	36	725	.03	30	44
16-14-0014	6992787	1458744	12-67	1 305													

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS
16-14-0050	6098181	1199324	12-63	3 305	24,960	3.77	940	17 16,430	3.73	613	3-69	42	1,474	.01	54	\$ 83
16-14-0050	6596685	1329588	7-66	2 305	23,380	3.54	827	37 16,280	3.77	613	9-69	40	987	-.04	29	50
16-14-0060	5484081	1273756	12-61	6 305	20,901	3.66	764	29 15,018	3.64	547	1-70	44	1,085	.03	43	64
16-14-0060	6369772	1273756	5-65	2 297	17,595	3.93	691	35 15,305	3.69	564	9-68	40	581	.06	29	39
16-14-0063	5909880	1244845	11-63	3 305	22,830	3.00	686	28 14,690	3.53	518	11-68	42	1,165	-.13	23	49
16-14-0063	6024605	1237057	2-64	3 305	20,140	3.25	654	48 15,237	3.48	530	6-69	42	866	-.08	19	38
16-14-0063	6173380	1417208	11-64	2 303	21,255	3.60	766	51 15,920	3.48	554	12-68	40	970	.02	38	57
16-14-0063	6243335	1239885	8-64	3 302	26,060	3.16	823	11 15,197	3.51	534	3-70	42	1,247	-.05	38	64
16-14-0063	6340654	1237057	4-65	2 305	21,885	2.93	642	47 15,840	3.46	548	12-68	40	930	-.12	15	37
16-14-0063	6428604	1237057	10-65	2 305	19,875	3.42	680	47 15,245	3.50	534	8-69	40	780	-.06	20	37
16-14-0100	6699470	1458744	12-66	1 298	19,460	3.31	644	13 17,780	3.40	605	12-69	36	712	-.03	22	37
16-14-0108	7027666	1273756	8-66	2 305	19,485	3.35	653	30 15,785	3.60	569	9-69	40	729	-.01	25	40
16-14-0108	7308696	1273756	7-67	1 305	20,190	3.69	745	28 17,350	3.41	591	11-69	36	593	.05	29	39
16-14-0114	5439398	1319234	8-61	4 305	22,802	3.75	856	8 18,957	3.69	700	12-68	38	943	.00	34	53
16-14-0114	5697346	1319234	8-62	5 305	23,640	3.57	845	5 19,836	3.61	716	4-69	39	972	-.03	31	51
16-14-0114	6631896	1458744	4-66	2 301	25,295	3.33	843	11 18,170	3.65	664	8-69	40	1,291	-.06	38	65
16-14-0114	6822650	1319234	5-67	1 305	21,640	3.86	836	12 17,190	3.61	621	9-69	29	803	.01	30	46
16-14-0114	6822653	1406271	5-67	1 305	19,600	3.98	780	17 17,850	3.59	641	10-69	36	618	.07	33	43
16-14-0116	6566889	1273756	3-66	2 218	18,490	3.78	698	14 16,360	3.71	607	8-69	8 40	576	.04	26	37
16-14-0120	6622575	1468879	6-66	2 305	20,150	3.84	773	15 15,365	3.77	580	10-69	31	690	.00	25	39
16-16-0002	6367274	1273756	8-64	3 305	17,706	3.15	558	32 14,276	3.39	484	8-69	42	722	-.01	24	39
16-16-0050	6569700	1290716	5-66	2 305	19,510	4.24	827	22 17,050	3.72	634	7-69	40	447	.17	40	45
16-16-0056	5671051	1273756	7-62	4 305	17,935	3.68	660	12 16,047	3.56	572	9-69	44	575	.04	26	37
16-16-0060	5627862	1390735	5-62	6 301	21,560	3.65	788	54 15,036	3.68	554	7-69	36	1,190	.01	44	67
16-16-0060	5887393	1390735	5-63	5 304	19,852	3.63	720	52 14,654	3.60	528	10-69	36	986	.01	37	56
16-16-0060	6110476	1390735	2-64	5 277	18,484	3.77	697	19 14,980	3.59	538	12-69	36	738	.04	33	47
16-16-0060	6171818	1432733	7-64	4 304	16,997	3.64	619	51 14,230	3.59	511	9-69	38	793	.01	30	45
16-16-0060	6212700	1432733	10-64	4 297	18,542	3.52	652	49 14,580	3.60	525	6-69	38	959	-.01	33	52
16-16-0060	6219451	1432733	12-64	4 296	16,287	4.02	655	52 14,447	3.56	515	9-69	38	671	.07	34	46
16-16-0060	6323462	1432733	5-65	3 304	18,896	3.37	636	51 14,303	3.57	511	7-69	37	1,012	-.03	32	53
16-16-0060	6323465	1432733	6-65	3 305	19,580	3.62	708	52 14,173	3.55	503	9-69	37	1,113	.01	42	64
16-16-0060	6468279	1432733	8-65	3 266	18,516	3.48	645	18 15,516	3.50	543	12-69	37	826	-.01	29	46
16-16-0060	6607094	1273756	4-66	2 304	18,375	3.85	708	36 15,650	3.55	555	4-69	40	629	.06	32	43
16-16-0060	6769972	1273756	10-66	2 305	20,190	3.81	770	61 14,460	3.45	499	8-69	40	922	.07	43	60
16-16-0094	4851712	1281050	1-59	8 303	17,163	3.86	663	8 12,649	3.58	453	8-69	8 44	765	.02	31	46
16-16-0121	6381813	1237057	7-65	3 305	20,370	3.21	654	26 15,107	3.42	517	3-70	42	905	-.08	21	41
16-16-0121	6623053	1465274	8-66	1 305	24,590	3.26	801	27 15,520	3.56	553	2-69	19	877	-.05	24	43
16-16-0121	6623056	1347940	8-66	2 305	16,555	3.41	565	30 14,795	3.44	509	12-69	40	723	-.01	25	40
16-16-0124	6238120	1273756	7-64	4 305	18,227	3.80	693	7 15,622	3.78	591	11-69	44	658	.03	28	40
16-16-0137	6107689	1273756	8-64	2 305	18,200	3.71	676	12 14,110	3.56	503	1-69	40	752	.04	33	47
16-16-0137	6749405	1237057	1-67	1 305	22,260	3.29	732	23 13,650	3.60	491	8-69	36	955	-.08	23	44
16-16-0146	6792905	1290716	6-66	2 305	19,265	4.03	777	21 15,050	3.61	543	8-69	40	606	.15	43	51
16-16-0149	5008185	1040096	10-59	1 305	22,910	3.78	866	36 17,100	3.43	587	11-69	36	696	.01	27	40
16-16-0149	6102674	1276657	7-63	3 305	20,583	3.26	672	15 15,107	3.50	529	10-68	29	797	-.05	21	38
16-16-0155	6212702	1432733	11-64	3 292	18,690	3.74	699	12 14,186	3.55	503	12-68	37	999	.03	41	60
16-16-0155	6247179	1432733	12-64	4 303	17,670	3.37	596	22 13,512	3.54	478	1-70	38	971	-.03	31	51
16-16-0155	6727846	1471783	7-66	2 293	20,530	2.79	572	23 12,945	3.40	440	7-69	30	981	-.14	15	38
16-16-0160	6802363	1273756	8-65	2 305	18,105	3.76	680	6 15,060	3.95	595	10-69	40	655	.01	25	38
16-16-0160	6906639	1273756	3-66	2 302	19,560	3.80	744	8 15,715	3.85	605	11-69	40	743	.03	31	45
16-16-0164	5869086	1369030	8-63	5 300	20,146	3.51	707	17 16,046	3.57	573	3-70	39	657	.01	25	38
16-16-0164	6535506	1330987	9-65	2 303	19,340	3.39	656	31 14,915	3.53	526	10-68	40	783	.02	31	46
16-16-0169	6280950	1273756	1-64	3 305	18,566	3.43	636	21 14,140	3.59	508	3-69	42	835	.00	30	47
16-16-0169	6568028	1273756	2-66	1 305	20,490	2.69	552	21 13,850	3.26	452	11-68	36	850	-.05	24	42
21-01-0073	5701900	1085978	3-61	4 289	17,270	3.72	642	14 14,705	3.59	528	6-69	44	754	.00	27	42
21-01-0073	6064409	1085978	11-62	4 304	17,793	3.68	655	13 15,225	3.57	543	1-70	44	761	.00	27	42
21-01-0073	6601918	1239886	10-64	3 305	19,047	3.59	683	11 14,673	3.62	531	4-70	42	652	.03	28	40
21-01-0253	5597276	1240125	3-62	4 305	22,795	3.22	735	16 16,623	3.57	593	8-69	44	1,077	-.08	27	50
21-01-0253	6536544	1348259	4-66	2 305	19,105	3.47	662	15 16,065	3.49	561	6-69	40	671	.00	24	37
21-01-0253	6579720	1348259	6-66	2 292	20,765	3.74	776	15 16,345	3.60	589	8-69	40	814	.02	33	49
21-01-0253	6784100	1348259	4-67	1 300	21,270	3.41	726	16 16,880	3.53	596	12-69	36	712	.00	25	39
21-01-0410	6189281	1085978	8-64	4 297	17,573	3.83	673	10 15,710	3.57	561	6-69	44	680	.02	27	40
21-01-0410	6251237	1085978	11-64	4 303	20,080	3.44	691	5 17,340	3.56	618	2-70	44	808	-.04	23	40
21-01-0410	6930422	1348259	10-67	1 305	23,000	3.30	759	13 17,640	3.54	624	10-69	36	790	-.02	25	41
21-01-0607	5566624	1085978	11-61	5 302	19,252	3.54	681	40 14,926	3.63	542	9-69	44	993	-.03	31	51
21-01-0607	6450440	1348259	8-65	2 305	15,935	4.10	654	63 14,270	3.54	505	7-69	40	514	.07	28	37
21-01-0607	6523303	1348259	12-65	2 305	19,660	4.11	808	63 14,270	3.54	505	7-69	40	892	.08	44	60
21-01-0879	6049959	1085978	11-63	4 305	22,738	3.54	805	39 16,595	3.50	580	2-69	44	1,219	-.02	41	66
21-01-0879	6204084	1085978	11-64	4 289	18,733	3.48	651	53 15,825	3.56	563	10-69	44	810	-.04	24	41
21-01-0879	6532611	1278644	3-66	2 302	19,050	3.44	655	43 14,720	3.55	522	7-69	40	826	-.07	20	38
21-01-0879	6726090	1425137	10-66	1 305	23,130	3.40	787	32 13,840	3.55	491	6-69	36	767	-.03	23	39
21-02-0008	6641954	1348259	11-66	1 305	17,520	3.51	615	28 13,270	3.58	475	11-69	36	675	.00	24	37
21-02-0008	6663889	1348259	12-66	1 305	18,050	3										

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	PRODUCTION. FAT (LB)	..HERDMATE NO.	MILK (LB)	FAT (%)	AVERAGES.. FAT (LB)	LAST CALVD MO-YR	T C REPT (%)	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
21-02-0106	6248142	1312008	3-65	3 299	19,553	3.73	730	29	15,863	3.55	563	12-69	42	556	.08	31	\$ 40
21-02-0106	6327647	1085978	2-65	2 305	18,825	3.67	691	23	15,420	3.63	559	4-69	40	814	-.02	27	44
21-02-0106	6578799	1312008	4-66	2 305	19,060	4.06	774	34	16,190	3.56	576	12-69	40	427	.12	32	38
21-02-0129	5754257	1085978	9-62	5 305	19,274	3.63	700	15	16,836	3.53	595	3-69	44	774	-.01	27	42
21-02-0129	6222052	1085978	8-64	3 305	18,930	3.52	667	18	16,603	3.55	590	3-69	42	736	-.02	23	38
21-02-0129	6718965	1347940	11-66	2 305	19,630	3.85	755	21	15,360	3.58	550	12-69	40	984	.03	40	59
21-02-0129	6966505	1406271	8-67	1 305	17,340	4.00	694	21	15,760	3.54	558	9-69	36	590	.07	32	42
21-02-0144	6055189	1085978	12-63	5 297	18,486	3.37	623	19	14,728	3.53	520	3-70	44	917	-.05	26	45
21-02-0202	6523183	1348259	3-66	1 305	20,170	3.49	703	10	15,980	3.53	564	2-70	36	691	.00	25	39
21-02-0202	7019226	1438758	8-67	1 305	23,480	3.16	743	12	16,660	3.28	547	10-69	35	959	-.10	20	41
21-02-0253	5210448	1085978	6-60	5 305	20,192	3.72	752	25	18,120	3.58	649	3-69	44	743	.00	27	42
21-02-0253	5289216	1199324	1-61	6 305	18,615	3.97	739	15	17,018	3.49	594	4-69	44	693	.06	34	46
21-02-0253	5430230	1085978	8-61	6 305	20,387	3.38	690	19	17,702	3.48	616	7-69	44	817	-.04	23	40
21-02-0253	5756852	1397656	12-62	6 302	22,602	3.19	721	22	17,510	3.48	609	1-70	34	958	-.09	21	42
21-02-0253	6664959	1237057	12-66	2 305	21,995	3.81	837	28	16,795	3.43	576	1-70	40	853	.02	33	50
21-02-0322	5056598	1265937	9-59	7 303	20,451	3.94	805	15	17,174	3.72	639	3-69	39	617	.09	35	45
21-02-0322	6333060	1265937	2-65	2 305	19,520	4.30	840	16	16,545	3.82	632	3-69	34	476	.13	36	42
21-02-0322	6356129	1265937	3-65	3 300	19,970	4.07	813	27	17,336	3.86	669	1-70	36	485	.09	31	38
21-02-0322	6677418	1458744	7-66	2 305	21,190	3.61	766	34	17,665	3.83	676	12-69	40	920	-.03	29	48
21-02-0322	6916918	1458744	8-67	1 305	20,670	3.56	736	37	18,110	3.80	688	12-69	36	780	-.03	24	40
21-02-0423	5584626	1189870	2-61	6 290	19,857	3.55	704	18	15,528	3.47	539	7-69	44	793	.01	30	45
21-02-0423	7035374	1458744	8-67	1 305	17,740	3.38	600	25	16,000	3.47	555	1-70	36	703	-.02	22	37
21-02-0521	5584588	1357133	2-62	5 305	19,430	3.34	649	13	14,544	3.57	519	11-68	35	840	-.04	25	43
21-02-0605	6149526	1085978	7-64	3 292	20,737	3.42	710	28	17,580	3.50	616	2-69	8 42	843	-.04	25	43
21-02-0605	6149527	1085978	11-64	3 290	20,350	3.38	688	34	17,203	3.47	597	11-68	8 42	837	-.04	24	42
21-02-0605	6412968	1348259	8-65	1 305	24,120	3.24	782	35	19,530	3.29	643	10-68	36	747	-.01	26	41
21-02-0605	7032878	1458744	11-67	1 305	22,260	3.52	783	40	19,340	3.49	674	11-69	36	816	-.01	28	44
21-02-0924	4816919	1085978	11-58	6 270	17,417	3.69	642	8	14,085	3.83	539	1-69	8 44	853	-.03	26	44
21-02-0965	6077568	1280015	3-64	4 305	20,275	3.47	703	27	15,648	3.59	562	3-70	43	604	.04	28	39
21-02-0965	6196884	1329588	8-64	3 305	19,920	3.44	686	14	15,440	3.64	562	7-69	42	766	-.05	21	37
21-02-0965	6717164	1458744	8-66	2 305	21,845	3.91	854	39	16,190	3.51	568	1-70	40	1,122	.04	47	68
21-02-0965	6938212	1458744	9-67	1 305	17,530	3.39	595	21	15,670	3.57	559	3-70	36	710	-.02	22	37
21-03-0035	6189393	1239886	8-64	4 302	22,005	3.15	694	9	17,500	3.41	597	11-69	44	737	-.03	22	37
21-03-0061	5370221	1085978	2-61	6 304	20,308	3.61	734	51	15,077	3.43	517	11-68	44	1,111	.01	41	63
21-03-0061	5872781	1252934	2-63	4 303	19,543	3.37	659	43	15,405	3.47	535	12-68	44	679	-.01	23	37
21-03-0061	6394177	1085978	4-65	2 305	20,120	3.43	691	30	16,005	3.49	558	2-69	40	892	-.03	27	46
21-03-0061	6480634	1348259	9-65	3 305	18,880	3.94	744	71	16,180	3.40	550	11-69	42	666	.08	36	47
21-03-0061	6578818	1348259	12-65	2 305	19,305	3.31	639	61	15,765	3.44	542	7-69	40	719	-.01	24	39
21-03-0061	6703889	1278644	9-66	1 305	20,330	3.73	759	13	15,820	3.61	571	4-69	36	752	-.04	21	37
21-03-0061	6756564	1348259	9-66	2 288	18,100	3.76	680	76	16,005	3.39	542	10-69	40	575	.05	28	38
21-03-0066	6084013	1245520	1-64	4 305	18,560	3.18	591	13	13,382	3.54	474	3-70	44	883	-.09	18	38
21-03-0073	6606311	1348259	4-66	2 305	24,140	3.64	878	9	16,275	3.63	591	10-69	40	1,163	.01	43	66
21-03-0096	5952118	1085978	9-63	5 296	16,516	3.31	547	12	13,184	3.56	470	4-70	44	842	-.06	22	40
21-03-0147	5961656	1085978	8-63	5 302	18,466	3.28	605	48	14,650	3.54	519	10-69	44	923	-.06	24	44
21-03-0147	6669402	1348259	8-66	2 305	19,805	3.18	629	48	15,045	3.52	530	1-70	40	836	-.04	24	42
21-03-0147	7317445	1347940	10-67	1 305	20,250	3.20	648	45	15,900	3.51	558	12-69	36	908	-.04	27	46
21-03-0207	7414117	0102871	8-67	1 299	23,870	3.47	829	18	18,660	3.48	650	12-69	31	773	-.05	20	37
21-03-0225	5082828	1309582	12-59	4 305	17,795	3.81	678	22	13,425	3.74	502	8-69	37	681	.00	24	38
21-03-0345	6711681	1239588	9-66	2 305	18,450	3.99	736	24	14,795	3.57	528	1-70	40	622	.03	27	39
21-03-0630	6091897	1245520	1-64	4 280	22,455	3.54	795	15	17,932	3.63	651	1-70	8 44	859	-.05	24	42
21-03-0630	6480688	1348259	1-66	2 296	20,530	3.69	758	20	18,080	3.58	648	10-69	8 40	632	.02	26	38
21-03-0672	5357485	1352969	12-60	6 305	18,805	3.29	618	28	14,555	3.33	484	12-68	38	749	-.03	23	39
21-03-0672	6239452	1389471	10-64	3 298	19,437	3.22	625	41	14,400	3.35	482	12-69	42	802	-.07	19	37
21-03-0672	6290184	1348259	4-65	1 301	19,770	3.70	731	13	16,530	3.45	570	1-70	36	624	.03	27	39
21-03-0672	6748939	1278644	11-66	1 305	18,700	3.51	656	41	13,240	3.39	449	7-69	36	804	-.05	22	39
21-03-0683	6443779	1312008	10-65	3 305	19,006	3.88	738	27	16,350	3.44	563	4-70	42	442	.11	32	38
21-03-0687	5348167	1311120	5-61	6 291	19,457	3.62	705	11	15,485	3.59	556	11-69	32	654	.01	25	38
21-03-0879	5642495	1239885	9-62	4 305	19,153	3.58	685	33	13,925	3.48	485	10-68	44	629	.04	29	40
21-03-0879	6358023	1348259	3-65	2 305	18,265	3.50	639	24	15,250	3.31	505	2-69	40	661	.02	27	40
21-03-0879	6368694	1085978	4-65	3 301	17,117	3.46	593	36	14,687	3.51	516	9-69	42	726	-.03	22	37
21-03-0879	6473849	1348259	9-65	2 298	18,525	3.48	644	39	14,970	3.49	523	8-69	40	713	.00	26	40
21-03-0910	6309134	1085978	11-64	3 294	21,047	3.54	745	30	16,380	3.32	543	12-69	42	1,003	.00	36	56
21-03-0910	6309151	1239886	11-64	2 305	19,630	3.71	728	9	16,515	3.20	528	4-69	40	488	.09	30	38
21-04-0034	7057027	1485490	9-67	1 259	20,290	3.40	689	39	13,200	3.46	457	2-70	8 23	792	-.02	26	42
21-04-0036	6458090	1348259	12-65	1 305	24,490	3.76	921	6	18,240	3.33	607	3-70	36	861	.05	38	54
21-04-0036	6484961	1348259	12-65	1 304	23,220	3.35	779	16	17,900	3.40	609	12-69	36	789	.00	28	44
21-04-0048	5479965	1085978	11-61	6 292	18,573	3.34	621	11	15,818	3.50	554	10-68	44	801	-.05	22	39
21-04-0069	5838527	1245520	3-63	3 221	20,173	3.57	720	13	15,250	3.63	553	6-69	42	838	-.04	24	42
21-04-0069	6333360	1239886	3-65	2 305	22,045	3.69	813	9	15,765	3.62	571	11-69	40	801	.04	35	50
21-04-0081	7086799	1458744	9-67	1 305	18,160	3.03	550	23	12,890	3.39	437						

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS
21-04-0158	5236988	1085978	12-60	3 305	18,253	3.65	667	13 15,120	3.58	541	3-69	42	812	-.01	28	\$ 44
21-04-0255	5509080	1085978	9-61	5 294	17,236	3.89	670	17 14,858	3.51	521	6-69	44	740	.04	32	46
21-04-0255	6363136	10229512	5-63	4 294	19,543	3.34	653	30 15,678	3.59	563	12-69	43	607	.02	25	37
21-04-0316	5625385	1199324	5-62	5 305	19,052	3.77	718	8 14,024	3.68	516	10-69	44	1,097	.01	41	62
21-04-0348	6783603	1278644	6-66	2 305	21,930	3.09	677	17 16,340	3.53	576	1-70	40	970	-.12	17	39
21-04-0376	6980433	1348259	9-67	1 305	16,070	3.45	555	6 11,790	3.52	415	8-69	36	666	.00	24	37
21-04-0409	6558538	1348259	12-65	2 302	21,720	3.28	712	15 16,165	3.51	567	12-69	40	928	-.03	29	48
21-04-0409	6607855	1221835	3-66	2 305	20,380	3.97	809	16 16,385	3.52	576	11-69	40	767	.04	34	48
21-04-0412	6169826	1085978	7-64	4 290	16,918	3.41	577	20 13,885	3.49	484	12-69	44	802	-.04	23	40
21-04-0412	6440713	1085978	12-65	2 287	16,950	3.32	563	26 13,435	3.45	463	11-69	40	805	-.04	23	40
21-04-0597	5913143	1085978	6-63	1 305	22,760	3.42	779	13 17,990	3.37	606	12-69	36	868	-.03	27	45
21-04-0597	6580271	1348259	12-65	1 305	21,210	3.55	752	11 17,660	3.40	601	12-69	36	655	.02	26	39
21-04-0619	4766251	1085978	12-58	4 305	23,763	3.26	775	13 14,573	3.51	511	3-69	44	1,570	-.08	45	78
21-04-0619	5030255	1085978	1-60	4 299	17,988	3.94	709	22 15,825	3.51	555	11-69	44	718	.04	32	45
21-04-0619	5527760	1369315	3-62	6 297	20,778	3.51	730	20 15,747	3.53	556	9-69	34	774	-.01	27	42
21-04-0619	5881658	1389459	3-63	5 304	21,410	3.69	791	16 15,542	3.53	549	12-69	36	933	.02	37	55
21-04-0691	4888800	1271685	1-59	8 284	18,529	3.65	676	10 14,084	3.52	496	10-69	8 34	821	.02	32	48
21-04-0691	5790939	1331406	11-62	5 258	18,248	3.40	621	11 13,252	3.49	462	1-70	8 36	842	-.04	24	42
21-05-0023	5133541	929962	10-58	4 303	19,935	3.54	705	34 14,323	3.56	510	11-69	44	778	-.01	26	42
21-05-0024	5476031	1085978	10-61	7 296	17,231	3.42	590	19 14,013	3.59	503	10-69	44	838	-.05	23	41
21-05-0031	5463601	1085978	12-61	6 290	18,020	3.41	614	21 15,390	3.61	556	2-70	44	780	-.05	21	38
21-05-0031	5551394	1085978	1-62	6 298	16,793	3.61	607	26 14,255	3.62	516	8-69	44	753	-.02	24	39
21-05-0031	5551395	1085978	2-62	4 292	16,753	3.62	606	25 13,798	3.62	500	6-69	44	791	-.02	25	41
21-05-0031	6435114	1348259	1-66	3 299	18,400	3.35	616	19 14,796	3.72	550	3-70	42	754	-.04	21	37
21-05-0031	6579707	1259069	7-66	2 283	21,200	3.49	739	32 14,350	3.78	543	12-69	40	856	-.06	22	40
21-05-0043	6507701	1348259	10-65	3 305	22,096	3.56	786	20 18,290	3.72	680	3-70	42	817	-.02	27	44
21-05-0043	6507702	1348259	3-66	2 305	25,780	3.63	936	25 18,245	3.65	666	11-69	40	1,150	.00	42	65
21-05-0043	6658062	1458744	7-66	1 305	25,000	3.33	833	30 18,130	3.71	673	11-68	36	1,101	-.05	32	55
21-05-0094	6447799	1433929	2-65	3 304	21,223	3.58	760	13 14,316	3.66	524	5-69	34	1,131	-.01	40	63
21-05-0094	6824669	1237057	1-67	1 305	23,580	3.61	852	19 16,800	3.57	599	10-69	36	842	-.04	25	43
21-05-0101	6188836	1245520	1-65	2 305	22,365	3.61	808	29 16,550	3.63	601	12-69	40	882	-.04	26	44
21-05-0101	6958403	1348259	4-66	2 293	19,490	3.74	729	30 16,780	3.62	607	10-69	40	645	.03	27	39
21-05-0107	6468845	1239886	2-64	3 305	19,697	3.56	701	13 15,490	3.66	567	1-69	8 42	642	.02	26	38
21-05-0110	6432165	1239886	7-65	2 305	16,915	4.45	753	15 14,005	3.88	544	5-69	40	441	.10	31	37
21-05-0114	6474029	1348259	3-65	2 305	21,005	3.53	741	13 16,230	3.51	570	2-69	40	849	.00	31	48
21-05-0114	6828428	1348259	3-67	1 305	23,140	3.38	782	18 17,960	3.53	634	11-69	36	779	-.01	26	42
21-05-0143	5437108	1085978	2-61	6 299	17,745	3.48	617	46 14,092	3.68	519	12-68	44	895	-.05	25	44
21-05-0143	6457089	1085978	2-64	3 291	17,863	3.35	599	56 13,787	3.76	518	12-69	42	905	-.07	22	42
21-05-0156	5770606	1085978	9-62	3 305	20,567	3.58	737	39 16,180	3.38	547	9-68	42	968	.00	35	54
21-05-0156	5816052	1085978	1-63	4 300	19,263	3.82	735	26 16,288	3.39	552	5-69	44	824	.04	35	50
21-05-0156	5878935	1239886	5-63	5 305	20,384	3.65	743	42 15,868	3.25	516	8-69	44	743	.08	39	52
21-05-0156	6206178	1239886	8-64	3 305	22,710	3.50	795	54 16,633	3.31	550	3-69	42	870	.05	39	55
21-05-0156	6342512	1278644	2-65	3 305	20,397	3.53	720	65 16,737	3.33	558	10-69	42	818	-.02	26	43
21-05-0156	6379578	1223243	4-65	3 299	19,537	3.84	751	53 16,060	3.34	536	7-69	42	701	.06	34	46
21-05-0156	6379580	1278644	5-65	3 305	22,600	2.88	650	65 17,063	3.32	566	1-70	42	1,038	-.14	17	41
21-05-0156	6501295	1348259	1-66	3 299	19,636	3.37	662	51 17,176	3.32	570	2-70	42	650	.00	24	37
21-05-0156	6755414	1348259	12-66	1 305	23,070	3.22	744	47 17,990	3.23	581	2-70	36	772	-.01	27	42
21-05-0156	6777986	1348259	2-67	1 305	21,790	2.79	609	48 15,980	3.20	512	7-69	36	811	-.05	22	39
21-05-0156	6856440	1348259	1-66	2 305	22,735	3.37	767	70 17,515	3.23	565	1-70	40	907	.01	34	52
21-05-0157	6264553	1239886	1-65	3 305	19,767	3.82	755	15 14,267	3.91	558	8-69	42	777	.03	33	48
21-05-0157	6337354	1221835	5-65	3 305	20,093	3.24	651	16 14,373	3.74	537	10-69	42	988	-.09	22	44
21-05-0157	6337357	1239886	7-65	3 305	17,853	3.88	692	16 13,930	3.72	518	12-69	42	591	.06	30	40
21-05-0157	6824530	1278644	12-66	2 305	17,810	4.13	735	9 14,890	3.88	578	4-70	40	684	-.01	23	37
21-05-0160	5698694	1239886	11-62	4 305	18,165	4.04	733	14 14,793	3.56	526	10-68	44	564	.10	35	44
21-05-0160	6108060	1278644	2-64	4 301	19,568	3.26	638	14 15,175	3.55	538	6-69	44	914	-.09	19	39
21-05-0160	6315784	1221835	2-65	3 295	20,940	3.28	686	14 15,210	3.55	540	5-69	42	999	-.07	26	48
21-05-0160	6398140	1348259	8-65	2 305	19,580	3.31	649	17 15,655	3.53	553	5-69	40	757	-.02	24	40
21-05-0167	6268297	1085978	2-65	3 301	17,623	3.39	597	43 14,717	3.66	538	8-69	42	781	-.06	20	37
21-05-0167	6728514	1239242	10-66	2 305	19,265	3.65	703	55 15,445	3.57	552	11-69	40	670	.01	25	38
21-05-0175	5784597	1330987	11-62	4 305	19,693	3.35	659	21 16,783	3.50	588	8-69	44	700	.01	26	40
21-05-0175	5874282	1085978	3-63	5 304	20,670	3.18	657	23 16,514	3.51	580	9-69	44	991	-.09	23	45
21-05-0194	6728815	1452078	12-65	1 305	23,430	3.52	824	25 16,650	3.88	646	10-68	23	924	-.08	22	42
21-05-0194	6728820	1452078	9-66	1 15	22,700	3.56	809	26 16,650	3.65	607	3-69	8 23	858	-.05	24	42
21-05-0194	6728827	1458744	9-66	2 305	20,695	3.22	667	27 16,525	3.72	615	3-70	40	974	-.07	24	45
21-05-0242	6080231	1329588	6-64	4 305	18,818	3.54	667	20 14,178	3.60	511	5-69	44	804	-.03	25	42
21-05-0249	5723908	1344107	3-61	6 303	21,240	3.10	659	27 15,073	3.54	534	7-69	32	996	-.10	21	43
21-05-0249	5950273	1426737	11-63	3 304	19,620	3.46	678	38 15,170	3.55	539	11-68	32	784	-.04	23	39
21-05-0249	6121338	1427734	2-64	4 299	20,175	3.44	694	42 15,535	3.53	548	10-69	34	729	-.03	22	37
21-05-0249	6553122	1433929	4-65	3 305	18,813	3.78	711	43 16,406	3.50	575	12-69	34	565	.05	28	38
21-05-0249	6711756	1458744	9-66	1 305	17,290	3.90	675	50 15,630	3.43	536	9-69	36	695	.03	29	42
21-05-0249	6764611	1237057	11-66	1 305	22,900	3.63	832	16 15,070	3.42	516	6-69	36	908	-.03	29	48
21-05-0249	6914063	1406271	7-67													

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	MILK (L8)	FAT (%)	PRODUCTION FAT (L8)	HERDMATE NO. MILK (L8)	AVERAGES FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C REPT D (%)	COW MILK (L8)	I N D E X FAT (%)	FAT (L8)	DOL- LARS
21-05-0376	6301598	1085978	12-64	2 305	22,370	3.51	785	27 16,505	3.53	583	10-69	40	1,075	-.03	35	\$ 57
21-05-0385	6105188	1085978	2-64	1 305	18,930	3.45	653	7 13,980	3.55	496	1-69	36	851	-.04	25	43
21-05-0388	6011025	1085978	10-63	4 305	21,263	3.37	717	7 18,215	3.62	659	5-69	44	857	-.07	21	40
21-05-0388	6275419	1085978	1-65	4 300	23,460	3.32	779	9 19,018	3.70	703	2-70	44	1,039	-.09	24	47
21-05-0388	6435414	1348259	9-65	3 297	23,383	3.13	732	20 17,416	3.65	636	8-69	42	1,056	-.09	25	48
21-05-0394	6586771	1221835	5-66	2 305	19,740	3.62	715	25 16,115	3.48	560	1-70	40	727	.00	26	40
21-05-0419	6976182	1303180	9-67	1 305	23,130	3.31	765	19 12,760	3.68	469	2-70	26	1,023	-.04	31	52
21-05-0428	5612827	1245520	5-62	4 305	23,910	3.64	871	12 15,780	3.62	571	10-68	44	1,278	-.03	42	68
21-05-0428	6112624	1239886	1-64	4 305	20,200	3.71	749	17 17,110	3.55	608	10-69	44	558	.05	28	38
21-05-0428	6986080	1463454	5-66	2 298	22,565	3.60	812	15 16,805	3.49	586	9-69	25	765	.02	30	45
21-05-0520	5335454	1085978	3-61	5 301	17,320	3.72	644	33 14,442	3.59	519	1-69	44	799	.00	29	45
21-05-0520	5782001	1085978	10-62	5 286	17,412	3.50	610	31 14,278	3.63	518	10-69	44	830	-.04	24	41
21-05-0520	6022435	1262609	8-63	2 305	22,855	3.49	797	32 15,250	3.64	555	11-68	39	1,213	-.06	35	61
21-05-0520	6663735	1348259	4-66	2 305	18,840	3.86	727	28 15,200	3.62	550	10-69	40	723	.04	32	45
21-05-0520	7082020	1487607	10-67	1 305	21,110	3.45	728	18 15,430	3.66	564	2-70	27	722	-.02	23	38
21-05-0701	6297732	1278644	1-65	3 305	20,053	3.85	773	13 16,817	3.47	583	3-69	42	771	.01	29	44
21-05-0701	6412826	1278644	5-65	2 305	22,900	3.49	800	16 17,625	3.45	608	1-69	40	951	-.05	27	47
21-05-0832	5957880	1259069	8-63	4 304	26,767	3.18	850	22 20,380	3.48	709	10-69	44	1,016	-.10	22	45
21-05-0832	5957882	1412792	9-63	4 297	24,510	3.54	868	10 20,902	3.44	718	4-69	35	821	.02	33	49
21-05-0832	5957885	1412792	11-63	5 305	25,168	3.73	938	17 20,822	3.47	722	3-70	36	949	.07	44	61
21-05-0832	5957901	1239886	12-63	4 305	26,125	3.20	837	16 21,095	3.53	744	12-69	44	846	-.04	24	42
21-05-0832	6129459	1085978	1-64	4 301	23,045	3.72	858	19 20,550	3.46	711	8-69	44	818	.02	33	49
21-05-0832	6129467	1412792	8-64	4 301	26,787	3.30	883	24 20,635	3.47	717	11-69	35	1,180	-.04	36	61
21-05-0832	6482149	1278644	11-65	3 299	24,503	3.26	800	23 20,683	3.46	715	11-69	42	882	-.09	18	38
21-05-0832	6482150	1278644	1-66	2 305	26,945	3.37	907	23 21,040	3.49	735	11-69	40	1,050	-.08	26	49
21-05-0878	5958574	1239886	9-63	3 305	19,013	3.83	728	33 14,067	3.68	517	12-68	42	711	.06	34	47
21-05-0878	5958581	1278644	10-63	3 305	19,850	3.41	676	24 15,140	3.66	554	3-69	42	921	-.08	21	41
21-05-0878	6158783	1085978	8-64	4 302	16,805	3.58	601	27 13,855	3.63	503	8-69	44	791	-.03	24	40
21-05-0878	6451528	1348259	9-65	2 288	18,735	3.45	647	33 14,320	3.72	532	11-68	40	793	-.02	25	41
21-05-0878	6724008	1221835	6-66	2 305	17,295	3.77	652	32 14,170	3.61	511	11-69	40	656	.00	24	37
21-06-0011	5848964	1085978	12-61	6 300	17,267	3.93	678	17 15,680	3.48	546	12-69	44	649	.05	30	42
21-06-0025	5272358	010229512	1-57	3 303	18,610	4.33	805	18 15,183	3.63	551	9-68	42	520	.17	43	49
21-06-0031	5713492	1380319	7-62	5 305	25,084	3.40	852	25 16,484	3.59	591	7-69	36	1,514	-.04	48	79
21-06-0031	5763741	1222994	3-63	4 299	21,205	3.35	711	37 17,318	3.68	638	12-69	44	807	-.06	21	38
21-06-0031	6682992	1261857	11-66	2 305	19,935	3.66	730	37 17,880	3.61	645	12-69	40	690	.07	35	47
21-06-0031	6895812	1360676	8-67	1 305	20,370	3.44	700	47 18,030	3.50	631	10-69	34	682	.00	25	38
21-06-0031	6950257	1360676	8-67	1 305	22,690	3.69	837	41 17,990	3.46	622	9-69	34	863	.03	36	52
21-06-0031	6993006	1360676	10-67	1 305	20,940	3.40	713	35 18,390	3.63	667	12-69	34	701	-.02	23	37
21-06-0043	5435303	1199324	11-61	5 305	24,296	3.89	945	16 17,470	3.70	646	2-69	44	1,373	.04	55	81
21-06-0043	5483950	1199324	8-61	6 304	19,271	3.74	721	20 17,420	3.74	651	11-69	44	731	-.01	25	40
21-06-0049	6472985	1348259	1-66	1 268	21,530	3.30	710	20 16,260	3.54	575	2-70	36	773	-.02	25	41
21-06-0049	6544016	1085978	1-66	2 305	20,595	3.37	694	20 14,560	3.55	517	10-69	40	1,072	-.05	31	54
21-06-0053	5843206	1245520	2-63	4 302	21,442	3.24	695	27 15,050	3.60	542	12-69	44	1,054	-.09	24	47
21-06-0053	6573471	1348259	4-66	2 299	18,750	3.66	687	31 14,375	3.60	518	7-69	40	790	.02	31	46
21-06-0053	6675118	1417208	11-66	2 305	17,825	3.88	691	34 15,645	3.58	560	12-69	40	647	.05	30	42
21-06-0054	6172918	1085978	7-64	3 305	19,663	3.52	693	15 16,613	3.42	568	7-69	42	819	-.01	28	44
21-06-0054	6751223	1348259	7-66	2 305	20,570	3.28	674	16 17,060	3.49	595	9-69	40	729	-.03	22	37
21-06-0054	6874941	1348259	8-67	1 305	22,980	3.43	788	12 16,630	3.55	591	10-69	36	856	-.01	30	47
21-06-0060	6778016	1278644	2-67	1 290	20,220	3.19	646	18 14,390	3.40	489	9-69	36	840	-.08	18	37
21-06-0061	4851745	1085978	5-58	5 296	18,864	3.43	647	45 15,812	3.52	557	3-69	8 44	840	-.04	25	43
21-06-0061	5084414	1085978	2-60	7 267	21,296	3.68	784	56 15,757	3.58	564	8-69	8 44	1,160	-.01	41	64
21-06-0061	5293311	1038509	1-61	3 224	22,057	3.49	770	62 15,677	3.50	548	10-69	8 44	991	-.04	30	51
21-06-0061	5293312	1085978	1-61	6 275	19,017	3.55	675	60 16,037	3.54	568	8-69	8 44	833	-.02	27	44
21-06-0061	5405168	1038509	9-61	3 305	23,693	3.63	861	85 15,883	3.49	554	8-69	42	1,158	-.01	40	63
21-06-0061	5406983	1085978	12-60	6 292	19,590	3.68	720	42 15,542	3.56	554	4-69	8 44	965	-.01	34	53
21-06-0061	5861725	1199324	7-63	3 305	20,366	3.17	645	57 16,360	3.47	568	2-70	42	953	-.07	24	45
21-06-0061	6015975	1283917	8-63	5 304	21,396	3.25	695	57 16,074	3.48	559	3-70	44	958	-.11	18	40
21-06-0061	6160068	1330987	11-64	3 244	20,180	3.32	669	59 16,283	3.46	564	2-69	8 42	788	.00	29	45
21-06-0061	6200995	1085978	12-64	3 205	18,680	3.43	641	30 16,043	3.52	564	2-70	42	765	-.04	22	38
21-06-0061	6252567	1244845	2-65	3 301	22,043	3.28	722	59 15,970	3.49	557	10-69	42	942	-.07	23	44
21-06-0061	6263203	1278644	7-64	4 305	21,510	3.42	736	76 16,130	3.49	563	11-69	44	1,048	-.07	28	50
21-06-0061	6277265	1237057	3-65	3 305	21,583	3.08	665	74 16,230	3.48	565	12-69	42	929	-.11	17	38
21-06-0070	5552463	1179372	4-62	6 304	19,750	3.52	696	36 15,828	3.57	565	8-69	44	736	.00	26	41
21-06-0070	6848980	1458744	7-67	1 305	20,830	3.57	744	31 18,090	3.53	639	11-69	36	793	.00	28	44
21-06-0080	5918542	1278644	10-63	3 305	21,300	3.40	724	11 17,377	3.61	627	1-70	42	856	-.08	19	38
21-06-0100	4973609	1266914	12-58	5 271	19,730	3.51	693	11 14,644	3.48	510	12-69	35	869	.00	32	49
21-06-0100	6633176	1315578	7-66	2 292	17,720	3.62	641	11 15,125	3.48	526	8-69	40	484	.09	31	38
21-06-0114	7016683	1330987	4-66	2 296	19,380	3.29	638	27 15,860	3.54	562	2-70	40	701	.00	26	40
21-06-0114	7117850	1348259	9-66	1 305	20,060	3.30	661	45 15,360	3.50	538	7-69	36	724	-.01	24	39
21-06-0166	6959907	1348259	7-66	1 305	19,320	3.91	755	18 15,130	3.53	534	2-69	36	684	.04	31	43
21-06-0183	6244912	1085978	9-64	2 305	16,115	3.96	638	30 14,435	3.56	514	1-70	40	629	.02	26	38
21-06-0183	6244914	1085978</														

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	OOL- LARS		
21-06-0348	5967707	1242163	8-63	1 305	23,540	3.23	760	36	14,830	3.30	489	9-68	36	1,057	-.15	16	\$ 41
21-06-0348	7078355	1348259	8-66	1 284	19,920	3.91	778	42	13,760	3.20	440	8-69	36	821	-.06	39	54
21-06-0348	7078356	1348259	8-66	1 305	22,440	3.42	768	42	13,760	3.20	440	8-69	36	1,009	-.01	38	58
21-06-0348	7289577	1348259	9-66	1 305	21,180	3.04	643	42	13,760	3.20	440	8-69	36	915	-.03	29	48
21-06-0349	5988187	1400388	10-63	2 304	23,070	3.42	789	15	15,635	3.63	567	11-69	30	1,001	-.05	28	49
21-06-0387	6811895	1348259	8-66	2 281	20,235	3.14	635	29	16,490	3.43	566	11-69	40	747	-.04	21	37
21-06-0387	7098559	1348259	8-66	1 305	22,400	2.91	651	20	16,830	3.23	543	8-69	36	800	-.04	23	40
21-06-0394	6059509	1085978	1-64	4 302	20,538	3.60	740	6	15,805	3.68	582	4-69	44	1,035	-.03	33	54
21-06-0420	5874899	975138	8-63	4 305	21,678	3.26	706	11	16,615	3.59	596	7-69	44	882	-.09	18	38
21-06-0420	5980294	975138	12-63	4 305	23,348	3.17	741	12	16,970	3.55	603	3-70	44	1,049	-.11	21	45
21-06-0423	6515549	1278644	10-65	2 305	21,345	3.23	689	6	16,775	3.51	589	10-69	40	871	-.10	17	37
21-06-0423	6515550	1216957	10-65	2 295	22,780	3.56	812	6	16,955	3.43	581	12-69	40	634	-.04	29	41
21-06-0423	6591395	1312008	9-64	3 303	20,770	3.48	722	10	16,230	3.54	574	2-70	42	658	-.04	29	41
21-06-0494	6505498	1237057	7-65	1 305	20,110	3.95	794	32	15,140	3.39	513	10-69	36	695	-.01	26	40
21-06-0494	6505505	1085978	8-65	1 305	18,390	3.32	610	26	14,740	3.41	503	8-69	36	760	-.04	22	38
21-06-0497	5902768	1085978	3-62	5 305	18,564	3.75	697	19	15,694	3.59	563	1-70	44	815	-.00	30	46
21-06-0497	6264411	1239886	8-64	3 305	22,580	3.37	760	18	15,167	3.51	532	8-69	42	1,007	-.00	36	56
21-06-0497	6457675	1239886	8-65	1 305	21,720	3.22	699	5	14,560	3.66	533	3-69	36	692	-.01	23	37
21-06-0497	6501530	1348259	9-65	3 305	20,490	3.26	667	21	15,873	3.50	556	12-69	42	883	-.04	26	44
21-06-0497	6960206	1348259	1-67	1 305	21,480	3.63	780	19	15,810	3.50	554	11-69	36	800	-.01	31	46
21-06-0505	6140832	1085978	10-64	3 292	17,767	3.53	628	17	14,767	3.47	513	4-69	42	792	-.02	26	42
21-06-0505	6937721	1389471	8-66	1 305	23,190	3.44	797	15	15,600	3.60	562	3-69	36	818	-.06	21	39
21-06-0510	6659909	1348259	8-66	2 285	18,455	3.57	658	15	15,490	3.57	553	1-70	8 40	658	-.00	24	37
21-06-0565	5365100	1085978	7-59	7 305	17,100	3.58	613	11	13,924	3.61	503	4-69	44	831	-.03	26	43
21-06-0565	5776044	1085978	5-62	5 305	18,880	3.41	643	27	15,560	3.61	561	10-69	44	871	-.05	24	43
21-06-0565	5789446	1085978	4-61	3 305	20,990	3.64	764	24	16,530	3.55	586	5-69	42	980	-.01	34	54
21-06-0565	6091114	1245520	12-63	4 305	21,840	3.37	736	29	16,265	3.55	577	12-69	44	968	-.07	25	46
21-06-0565	6276482	1239886	9-64	4 305	23,233	3.71	862	30	16,950	3.55	602	1-70	44	950	-.06	43	60
21-06-0566	7310790	1348259	6-67	1 305	22,490	3.04	684	17	16,240	3.35	544	12-69	36	846	-.04	25	43
21-06-0594	6585637	1085978	2-65	2 305	17,250	3.58	618	12	12,915	3.73	482	9-69	40	883	-.03	27	45
21-06-0600	6774600	1348259	4-66	3 305	20,303	3.32	674	15	16,733	3.49	584	3-70	42	772	-.03	24	40
21-06-0605	5212869	1179372	11-60	6 295	21,033	3.32	699	18	15,872	3.53	560	8-69	44	896	-.04	27	46
21-06-0653	6144853	1085978	4-64	1 305	23,700	3.29	780	21	15,640	3.54	554	5-69	36	1,095	-.06	31	54
21-06-0660	4995701	1085978	11-59	6 274	17,295	3.79	655	26	15,498	3.53	547	11-68	8 44	674	-.02	27	40
21-06-0660	6344851	1399197	2-65	2 305	22,410	3.16	708	33	15,815	3.43	542	1-69	33	1,185	-.05	35	60
21-06-0660	6774173	1399197	11-66	1 305	17,630	3.36	593	23	14,350	3.57	512	2-69	28	723	-.01	24	39
21-06-0703	6659726	1348259	1-66	2 305	21,300	3.38	721	14	17,500	3.52	616	12-69	40	763	-.02	25	41
21-06-0703	6842524	1278644	11-66	2 301	21,320	3.48	741	22	17,055	3.51	599	11-69	40	843	-.06	22	40
21-06-0704	5678162	1085978	3-61	3 302	19,603	3.62	710	7	16,267	3.47	564	5-69	42	848	-.00	30	47
21-06-0704	6140325	1049547	8-64	4 302	20,820	3.53	735	10	16,390	3.51	576	10-69	44	782	-.04	22	39
21-06-0704	6336050	1278644	6-65	3 298	21,297	3.30	702	10	16,910	3.52	595	12-69	42	904	-.08	20	40
21-06-0704	6425646	1278644	11-65	3 296	21,243	3.44	731	5	17,647	3.58	632	2-70	42	821	-.07	19	37
21-06-0704	6996691	1348259	9-67	1 305	23,440	3.49	819	8	19,180	3.52	675	9-69	36	720	-.00	26	40
21-06-0747	6198110	1221835	10-64	2 305	23,085	3.58	827	14	15,350	3.60	552	9-68	40	1,136	-.02	38	61
21-06-0747	6588626	1348259	3-66	1 305	19,510	3.40	664	13	14,480	3.62	524	10-69	36	742	-.01	25	40
21-06-0846	4591828	905683	12-57	7 304	21,376	3.30	706	28	14,801	3.57	529	7-69	44	727	-.02	23	38
21-06-0846	5447283	1085978	7-61	3 292	20,190	3.49	705	23	15,227	3.57	544	4-69	42	1,023	-.03	32	53
21-06-0846	6209439	1085978	8-64	3 305	18,697	3.54	662	18	15,263	3.59	548	4-69	42	848	-.03	26	44
21-06-0846	6399195	1223243	5-65	3 305	19,177	3.98	763	39	15,317	3.57	547	12-69	42	737	-.05	34	47
21-06-0846	6399204	1348259	8-65	3 303	17,550	3.92	688	33	15,143	3.58	542	12-69	42	620	-.05	30	41
21-06-0846	6434029	1348259	10-65	3 305	18,746	3.30	618	36	14,903	3.60	536	11-69	42	783	-.04	23	39
21-06-0846	6664855	1348259	7-66	2 305	19,660	3.44	677	34	15,070	3.56	537	10-69	40	819	-.01	28	44
21-06-0846	6664858	1348259	8-66	2 305	19,145	3.70	709	24	15,430	3.55	547	3-70	40	733	-.02	30	44
21-06-0846	6664860	1348259	11-66	2 305	20,500	3.41	700	21	15,925	3.50	558	3-70	40	826	-.01	28	45
21-06-0846	6664861	1348259	11-66	1 305	19,800	3.67	727	38	15,530	3.59	558	11-69	36	693	-.01	27	40
21-06-0846	6664866	1221835	8-66	2 305	21,680	3.37	730	41	15,205	3.56	542	10-69	40	1,007	-.05	29	50
21-06-0846	6664867	1482189	10-66	2 298	20,405	3.24	662	42	15,410	3.58	551	10-69	36	852	-.07	21	40
21-06-0846	6989516	1348259	12-67	1 305	20,720	3.70	767	25	15,780	3.58	565	2-70	36	745	-.02	30	44
21-06-0846	6989523	1347940	1-68	1 305	21,440	3.45	739	19	16,450	3.57	587	3-70	36	960	-.02	32	51
21-06-0919	5975250	1419528	12-63	4 233	20,105	3.56	716	14	16,340	3.48	568	4-70	8 41	682	-.02	27	40
21-06-0919	6398011	1348259	3-65	2 305	20,515	3.50	718	18	15,935	3.44	548	1-69	40	826	-.01	31	47
21-06-0919	6932037	1348259	10-66	2 205	19,790	3.82	755	13	16,520	3.52	582	1-70	8 40	699	-.05	32	45
21-06-0919	6932039	1348259	10-66	2 199	21,730	3.36	730	15	16,455	3.57	588	2-70	8 40	902	-.02	29	47
21-07-0007	6205698	1438006	11-64	2 305	17,340	3.52	610	40	12,265	3.56	437	12-68	36	853	-.03	35	51
21-07-0012	6067731	1389471	1-64	4 303	19,405	3.52	684	27	15,150	3.55	538	12-69	44	753	-.04	21	37
21-07-0012	6271046	1085978	10-64	4 305	18,170	3.50	636	22	15,150	3.54	536	2-70	44	816	-.03	25	42
21-07-0014	4720983	1262728	5-56	3 305	24,080	3.64	876	25	18,317	3.58	656	10-68	33	837	-.01	29	46
21-07-0014	6051975	1492073	3-62	3 302	25,607	3.16	809	35	18,290	3.55	649	12-69	42	991	-.10	21	43
21-07-0080	6888328	1479593	6-67	1 305	23,990	3.10	744	9	16,790	3.39	569	12-69	30	934	-.07	23	43
21-07-0080	6891484	1379208	6-67	1 297	19,280	3.41	658										

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT MO-YR (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8)	I N O E X..... FAT (%) FAT (L8) OOL- LARS
21-07-0708	6731735	1348259	8-65	2 305 18,340 3.50 641	28 14,100 3.61 509	3-69	40 773	-.01 27 \$ 42
21-08-0019	6346560	1085978	8-63	4 305 18,855 3.68 694	22 14,955 3.62 541	1-70	44 922	-.01 32 50
21-08-0020	6144718	1294703	7-64	4 305 20,410 3.50 714	42 15,580 3.60 561	11-69	43 996	-.05 29 50
21-08-0024	5308609	1085978	9-60	7 305 18,484 3.43 634	18 15,154 3.52 534	12-69	44 867	-.04 26 44
21-08-0024	5478628	1085978	12-61	5 305 18,014 3.55 639	12 14,354 3.64 522	2-70	44 899	-.03 28 47
21-08-0024	5924620	1278644	9-63	3 305 18,590 3.51 652	12 14,493 3.64 527	5-69	42 843	-.06 21 39
21-08-0024	6575144	1085978	8-64	3 305 19,117 3.14 600	14 15,183 3.60 546	4-69	42 904	-.08 20 40
21-08-0027	6498038	1417208	10-65	2 296 18,520 4.01 742	19 14,855 3.67 545	12-68	40 789	-.05 36 50
21-08-0027	6704427	1458744	3-66	2 305 17,445 3.85 672	9 15,620 3.50 547	8-69	40 727	-.03 31 45
21-08-0027	6704428	1458744	9-66	2 305 18,005 3.57 642	21 14,665 3.70 542	12-69	40 871	-.02 28 46
21-08-0066	6236538	1239886	11-64	3 305 17,663 4.07 719	32 15,073 3.50 527	7-69	42 451	-.11 32 38
21-08-0066	6835227	1348259	4-67	1 305 21,890 3.27 715	43 16,800 3.38 567	12-69	36 764	-.01 26 41
21-08-0066	6934034	1348259	8-67	1 305 19,970 3.74 747	43 16,590 3.35 556	11-69	36 635	-.04 29 41
21-08-0100	6337134	1278644	10-64	4 304 19,050 3.68 701	27 15,628 3.60 563	9-69	44 800	-.03 24 41
21-08-0100	6635227	1348259	10-66	2 301 20,735 3.66 759	27 17,285 3.58 618	10-69	40 725	-.02 29 43
21-08-0115	7374290	1261857	10-67	1 288 17,810 3.87 690	23 13,890 3.64 506	12-69	36 762	.09 40 53
21-08-0115	7393248	1261857	11-67	1 305 17,860 3.72 664	23 13,890 3.64 506	12-69	36 766	-.07 38 51
21-08-0122	5643702	1085978	6-62	4 301 18,483 3.64 673	18 15,580 3.64 567	1-70	44 807	-.02 26 43
21-08-0123	5481335	1085978	6-60	7 303 16,946 3.54 600	13 14,370 3.54 508	2-69	44 760	-.02 24 40
21-08-0152	5417409	1189870	10-61	6 305 17,585 3.46 605	12 13,258 3.46 459	2-70	44 763	.00 27 42
21-08-0152	5693325	1237057	10-62	4 305 20,453 3.56 728	24 15,225 3.44 523	10-69	44 941	-.03 30 49
21-08-0152	6073537	1416771	1-64	4 303 22,542 3.43 774	36 15,780 3.45 545	10-69	35 1,117	.02 43 65
21-08-0152	6231285	1416771	11-64	3 282 17,930 3.88 696	34 15,670 3.46 542	9-69	34 460	.10 31 38
21-08-0152	6410402	1348259	12-65	1 305 24,920 3.30 823	46 16,770 3.60 604	9-68	36 992	-.03 31 51
21-08-0152	6430890	1416771	8-65	2 305 19,515 4.09 799	26 15,985 3.37 538	4-69	31 583	.14 42 50
21-08-0152	6592605	1416771	3-66	2 294 18,655 4.02 749	26 16,480 3.45 568	11-69	31 430	.12 33 39
21-08-0152	6683752	1416771	7-66	2 305 21,010 3.63 762	25 17,010 3.37 574	11-69	31 650	.07 34 45
21-08-0152	7049700	1416771	9-67	1 305 22,290 3.42 762	23 15,820 3.50 554	1-70	26 736	.02 30 44
21-08-0154	6499539	1237057	10-65	2 305 24,320 3.04 740	18 16,905 3.25 549	7-69	40 1,079	-.09 25 49
21-08-0173	5960378	1085978	5-63	5 305 19,870 3.42 680	27 16,250 3.51 570	12-69	44 919	-.04 27 46
21-08-0185	6349246	1278644	8-64	3 305 23,317 3.42 798	46 17,973 3.58 644	10-69	42 1,026	-.07 26 48
21-08-0222	6472126	1237057	9-65	3 304 23,053 3.32 766	16 16,767 3.61 606	1-70	42 1,042	-.09 24 47
21-08-0230	6261653	1085978	7-64	4 305 24,315 3.36 818	16 19,338 3.56 689	2-70	44 1,109	-.06 31 55
21-08-0230	6414808	1348259	5-65	3 302 21,350 3.60 768	14 18,953 3.55 673	4-70	42 663	.01 26 39
21-08-0230	6414811	1348259	9-65	3 291 24,493 3.43 841	16 18,713 3.53 660	1-70	42 1,049	-.02 35 56
21-08-0230	6923727	1348259	9-67	1 305 19,710 4.02 792	12 17,770 3.53 627	11-69	36 536	.06 28 37
21-08-0247	7054351	1261857	6-66	2 305 16,390 3.45 565	15 14,785 3.40 503	7-69	40 613	.06 31 42
21-08-0273	5605776	1085978	4-62	5 305 20,262 3.45 700	15 13,994 3.54 495	11-69	44 1,231	-.04 39 64
21-08-0312	6030136	1085978	1-64	4 305 18,318 3.72 682	20 14,863 3.77 560	8-69	44 866	-.02 28 46
21-08-0330	5308864	905683	4-61	7 304 20,917 3.90 815	21 14,929 3.65 545	1-70	44 652	.09 36 47
21-08-0330	7051588	1348259	8-67	1 305 19,110 3.52 673	24 15,020 3.62 543	10-69	36 676	.00 24 37
21-08-0344	5957820	1199324	8-63	4 305 16,445 3.94 648	5 14,817 3.50 518	4-69	44 665	.05 31 43
21-08-0347	6303241	1348259	5-65	3 305 17,703 4.19 741	44 15,816 3.62 572	11-69	42 568	.09 33 42
21-08-0347	6457043	1348259	12-65	3 303 19,426 3.64 707	35 16,226 3.59 582	3-70	42 724	.01 28 42
21-08-0355	5961023	1239885	11-63	3 305 18,830 4.20 791	7 14,157 3.60 509	12-68	42 523	.13 37 44
21-08-0388	5439615	1085978	6-61	3 305 18,603 3.57 665	23 14,893 3.38 503	1-70	42 875	.00 31 48
21-08-0388	6053100	1239886	11-63	3 305 18,103 3.54 640	19 14,387 3.39 487	6-69	42 573	.04 27 37
21-08-0388	6117766	1085978	3-64	4 305 17,215 3.54 610	23 14,585 3.39 494	2-70	44 760	-.01 26 41
21-08-0391	5038578	1099477	11-59	3 305 20,703 3.88 803	19 16,400 3.65 598	5-69	42 555	.06 29 38
21-08-0404	6440199	1348259	9-65	2 295 22,905 3.61 828	23 16,770 3.64 611	12-68	40 993	.00 36 56
21-08-0404	6440201	1348259	11-65	2 305 20,675 3.43 710	19 16,720 3.61 604	3-69	40 771	-.02 25 41
21-08-0404	6532068	1348259	3-66	2 304 19,615 3.60 707	26 16,695 3.38 564	9-69	40 666	.03 28 41
21-08-0404	6705964	1348259	8-66	2 305 20,620 3.22 663	29 16,715 3.39 567	8-69	40 766	-.02 24 40
21-08-0404	6705970	1312008	11-66	1 305 26,220 3.62 950	25 18,010 3.64 656	1-69	36 762	.05 35 49
21-08-0404	6885938	1348259	2-67	1 305 21,980 3.64 801	15 16,820 3.64 613	3-69	36 769	.01 29 44
21-08-0404	6885941	1348259	9-67	1 305 22,130 3.37 746	30 16,200 3.49 566	7-69	36 822	-.01 28 45
21-08-0405	4571520	1112211	4-58	7 299 17,003 3.69 628	25 14,379 3.71 533	4-69	44 712	-.03 22 37
21-08-0408	4844832	1266432	9-58	9 305 18,389 4.23 778	10 14,920 3.53 527	8-69	36 452	.19 43 47
21-08-0408	6401996	1389471	9-65	3 301 21,607 3.50 757	22 15,807 3.56 562	11-69	42 906	-.05 26 45
21-08-0419	5256476	1085978	8-60	8 300 20,434 3.43 701	14 16,903 3.56 602	12-69	44 915	-.05 26 45
21-08-0419	6104771	1278644	11-63	3 305 22,280 3.30 736	6 16,203 3.55 576	2-69	42 1,090	-.09 26 50
21-08-0419	7003727	1261857	4-67	1 305 21,410 3.48 744	23 18,220 3.55 647	8-69	36 740	.06 35 48
21-08-0428	6092233	1085978	7-62	6 301 17,308 3.44 596	24 14,835 3.46 513	10-69	44 752	-.03 23 39
21-08-0428	7164593	1320371	10-66	2 294 18,895 3.63 686	26 15,070 3.46 521	11-69	40 643	.01 25 37
21-08-0434	6346785	1239886	4-65	3 296 20,660 3.90 805	13 14,747 3.56 525	4-70	42 830	.08 42 56
21-08-0434	6346786	1085978	3-65	3 295 17,450 3.11 542	16 14,147 3.44 486	8-69	42 820	-.07 19 37
21-08-0452	6206083	1239886	8-64	4 300 17,788 3.91 696	38 14,088 3.61 509	10-69	44 596	.07 32 42
21-08-0452	6206086	1085978	10-64	3 305 17,253 3.52 607	38 15,047 3.54 533	5-69	42 704	-.02 22 37
21-08-0452	6856437	1348259	9-65	2 305 17,145 3.66 627	35 14,530 3.55 516	11-69	40 613	.02 25 37
21-08-0452	6860194	1348259	6-67	1 305 18,050 3.76 679	42 14,600 3.60 526	6-69	36 625	.02 26 38
21-08-0484	6086101	1245520	4-64	4 301 18,530 3.70 686	24 14,965 3.43 513	6-69	44 704	.00 26 40
21-08-0484	6192027	1312008	8-64	3 305 22,023 3.35 738	34 16,160 3.40 549	2-69	42 809	.03 34 49
21-08-0484	6823848	1478272	9-66	2 300 19,960 3.34 666	41 16,430 3.45 567	11-69	34 865	-.01 29 47
21-08-0492	5362682	1311983	12-60	5 301 17,660 3.70 653	20 15,556 3.58 557	8-69	36 569	.04 27 37
21-08-0492	5777691	1272013	10-62	5 305 19,360 3.70 717	27 15,722 3.54 557	1-70	44 740	-.01 25 40
21-08-0492	6200306	1085978	9-64	3 300 18,997 3.61 686	18 15,650 3.68 576	3-69	42 842	-.03 26 43
21-08-0523	4780073	1261743	9-58	3 299 20,590 4.62 952	20 14,147 3.97 561	10-68	42 574	.20 50 56
21-08-0523	5206268	1261743	10-60	4 305 19,323 4.03 778	15 14,328 4.02 576	2-70	43 452	.10 30 37
21-08-0581	6009080	1085978	8-63	5 301 17,540 3.72 652	51 14,860 3.53 525	12-69	44 779	.01 29 44
21-08-0587	6435419	1348259	9-65	3 297 17,613 4.03 710	20 14,890 3.57 532	12-69	42 654	.07 34 45
21-08-0605	5320515	1348259	2-61	5 275 23,054 3.47 800	25 15,178 3.35 509	1-69	8 44 1,350	.01 50 77
21-08-0629	5995486	1239886	12-63	4 305 20,838 3.59 749	19 17,203 3.68 633	1-70	44 626	.02 25 37
21-08-0629	6927328	1348259	9-67	1 305 23,420 3.83 896	15 17,940 3.73 669	3-70	36 801	.02 32 47
21-08-0629	6961157	1377691	3-67	1 305 19,770 4.25 841	8 15,020 3.73 560	8-69	36 586	.04 27 38
21-08-0641	6811179	1348259	9-66	1 305 21,370 3.20 684	16 16,690 3.46 578	1-69	36 732	-.02 23 38

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HERDMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST CALVD MO-YR	T C D	.....C O W REPT (%)	MILK (LBS)	I N D FAT (%)	E X FAT (LBS)	..... DOL- LARS	
21-08-0663	6816127	1458744	1-67	1 305	18,020	3.85	693	27	14,420	3.51	506	8-69	36	830	.02	33	\$ 49.
21-08-0688	5964552	1239886	11-63	4 301	17,240	3.43	591	11	13,060	3.53	461	5-69	44	642	.01	25	37
21-08-0688	6377430	1348259	5-65	3 301	16,773	3.40	571	9	13,000	3.50	455	12-69	42	753	-.01	26	41
21-08-0697	5538085	1239886	11-61	3 305	18,053	3.81	688	8	14,560	3.65	531	10-69	42	549	.06	28	37
21-08-0701	6067999	1085978	9-62	5 305	23,814	2.86	682	8	16,826	3.44	579	4-69	44	1,360	-.14	27	58
21-08-0701	6094793	1085978	12-63	4 304	21,653	3.22	698	6	16,948	3.35	567	5-69	44	1,046	-.06	29	51
21-08-0701	6111839	1085978	8-64	4 300	22,495	3.21	721	21	18,358	3.27	601	10-69	44	993	-.05	28	49
21-08-0701	6137069	1085978	10-64	4 281	24,370	3.04	741	14	18,648	3.37	628	1-70	44	1,193	-.10	28	54
21-08-0701	6269653	1085978	2-65	3 289	23,187	3.02	701	21	17,843	3.32	593	10-69	H 42	1,097	-.09	26	50
21-08-0701	6307676	1085978	1-65	3 305	23,010	2.92	673	16	17,847	3.28	585	10-69	42	1,076	-.10	24	48
21-08-0701	6353024	1085978	9-64	4 249	21,073	3.24	682	17	18,560	3.37	626	12-69	44	795	-.05	21	38
21-08-0701	6440105	1348259	7-65	3 287	22,470	3.04	684	29	18,543	3.22	597	10-69	42	834	-.04	24	42
21-08-0705	5477794	1285401	2-61	3 305	21,577	3.45	744	17	15,823	3.49	553	7-69	35	912	-.04	27	46
21-08-0705	5563474	1085978	8-61	7 271	16,934	3.66	620	26	15,126	3.48	526	12-69	44	670	.01	25	38
21-08-0705	7045731	1387978	11-67	1 294	21,680	3.47	752	6	14,530	3.61	524	4-70	35	967	-.02	32	52
21-08-0709	6174343	1085978	8-64	3 302	16,153	3.44	556	5	13,407	3.29	441	2-69	42	747	-.01	25	40
21-08-0729	6496764	1389471	11-65	1 305	24,690	3.31	817	18	15,690	3.45	542	9-68	36	923	-.06	24	44
21-08-0731	6226004	1312008	12-64	3 305	20,640	3.42	706	18	15,836	3.33	527	10-69	42	684	.05	32	44
21-08-0731	6258730	1085978	9-64	3 305	19,163	3.29	631	16	16,217	3.26	528	9-69	42	803	-.03	25	42
21-08-0766	6338243	1085978	8-64	4 298	20,920	3.01	630	58	15,670	3.40	533	12-69	44	1,097	-.10	25	49
21-08-0766	6425002	1417208	10-65	3 303	21,996	3.23	710	45	16,076	3.39	545	2-70	42	1,100	-.03	35	58
21-08-0766	6425004	1417208	1-66	2 301	20,435	3.24	663	48	14,975	3.46	518	9-69	40	973	-.03	31	51
21-08-0766	6425005	1417208	10-65	2 305	20,945	2.97	623	46	15,220	3.40	518	10-68	40	1,002	-.06	27	48
21-08-0766	6468892	1435472	8-65	2 305	22,150	3.37	747	34	15,270	3.43	523	7-69	25	887	-.02	29	47
21-08-0766	6696189	1454330	9-66	2 305	22,560	3.27	738	46	15,315	3.41	522	11-69	25	934	-.04	28	47
21-08-0766	6961800	1417208	9-67	1 268	19,370	3.13	606	57	15,250	3.43	523	10-69	36	751	-.03	23	39
21-08-0766	6997141	1458744	11-67	1 305	18,700	3.52	658	64	15,500	3.43	531	11-69	36	808	-.01	28	44
21-08-0766	6997144	1458744	1-68	1 272	19,070	3.30	630	50	16,330	3.43	560	12-69	36	780	-.03	24	40
21-08-0767	6205342	1240125	11-64	3 297	19,693	3.52	694	38	15,177	3.63	551	6-69	42	821	-.02	26	43
21-08-0767	6205343	1240125	11-64	3 301	19,293	3.57	688	34	14,993	3.64	546	9-69	42	794	-.02	26	42
21-08-0767	6205346	1278644	1-65	3 298	19,090	3.68	703	35	15,117	3.65	552	5-69	42	836	-.04	24	42
21-08-0767	6334002	1239886	2-65	3 305	20,367	3.28	669	40	14,720	3.61	532	10-69	42	799	-.02	26	42
21-08-0767	6586703	1389471	11-65	2 305	20,590	3.58	738	38	15,135	3.67	556	10-69	40	791	-.04	22	39
21-08-0781	5939219	1199324	2-63	5 304	19,034	3.68	700	25	15,648	3.48	545	2-70	44	906	.02	35	53
21-08-0781	6262971	1085978	6-64	4 305	18,398	3.79	697	28	16,140	3.47	560	10-69	44	734	.02	30	44
21-08-0781	6334299	1085978	9-64	3 305	19,813	3.41	675	19	15,317	3.52	539	3-69	42	971	-.04	29	49
21-08-0781	6679748	1348259	9-66	2 305	19,370	3.66	709	29	16,140	3.48	562	12-69	40	691	.03	29	42
21-08-0781	6701778	1348259	8-65	3 301	18,956	3.50	664	31	16,230	3.49	566	12-69	42	670	.01	25	38
21-08-0784	5410308	1321444	1-61	6 305	18,855	4.04	762	10	14,783	3.77	558	7-69	37	554	.07	30	39
21-08-0786	5876843	1278644	8-63	2 303	19,645	3.85	757	21	17,225	3.43	590	12-69	40	657	.00	24	37
21-08-0848	5724376	1298717	12-62	4 298	17,497	3.63	636	16	13,250	3.65	483	10-68	8 39	769	-.01	27	42
21-08-0859	5614019	1085978	8-60	6 305	17,958	3.48	625	9	14,700	3.56	524	10-68	44	852	-.03	26	44
21-08-0863	5871258	1244009	7-63	3 305	20,903	3.22	674	24	14,347	3.44	493	3-69	42	1,181	-.08	30	56
21-08-0868	5598265	1409889	2-62	4 301	17,165	3.71	636	39	13,808	3.57	493	3-70	35	781	.01	29	44
21-08-0868	5851639	1409889	12-62	4 303	16,835	3.25	547	54	13,233	3.55	470	10-69	35	808	-.06	20	38
21-08-0868	6802510	1070036	8-66	2 305	17,105	3.89	666	57	13,135	3.49	458	1-70	40	685	.09	38	49
21-08-0888	6895290	1348259	2-67	1 305	24,210	3.31	802	32	15,670	3.51	550	9-69	36	1,012	-.02	33	54
21-08-0889	5949141	1085978	6-63	4 305	17,658	3.38	596	5	14,168	3.50	496	7-69	44	862	-.04	25	43
21-08-0906	6244551	1085978	2-64	3 297	16,733	3.41	570	7	13,827	3.42	473	5-69	42	771	-.03	24	40
21-08-0918	6322722	1278644	8-64	2 305	19,100	3.80	725	22	15,255	3.54	540	10-69	40	782	-.02	25	41
21-08-0949	5797735	1085978	11-62	4 297	18,525	3.55	657	33	16,550	3.53	584	9-69	44	704	-.02	22	37
21-08-0949	6390745	1348259	9-65	2 298	21,620	3.70	801	23	17,625	3.51	618	5-69	40	784	.03	33	48
21-08-0949	6489472	1348259	12-65	2 300	23,160	3.34	773	33	17,940	3.60	646	11-69	40	912	-.03	28	47
21-08-0959	6359086	1452345	7-65	2 305	17,760	3.05	541	28	13,565	3.41	463	10-69	36	899	-.07	22	42
21-09-0004	5902621	1085978	2-63	5 243	19,750	3.46	684	17	15,654	3.64	570	9-69	44	972	-.05	28	48
21-09-0004	6846857	1348259	3-67	1 305	24,370	3.44	838	18	17,610	3.65	642	12-69	36	894	-.02	30	48
21-09-0025	6491139	1447750	11-65	2 305	26,565	3.35	889	18	18,870	3.78	714	4-69	38	1,182	-.08	31	56
21-09-0025	6491142	1447750	2-66	2 305	22,315	3.95	882	13	19,425	3.72	723	1-70	38	681	.04	30	43
21-09-0025	6491144	1447750	3-66	2 305	21,810	3.66	799	11	17,845	3.76	671	7-69	38	778	-.01	26	42
21-09-0107	5784483	1278644	3-63	5 305	21,668	3.51	760	13	17,610	3.56	627	7-69	44	923	-.06	25	45
21-09-0107	6303702	1085978	2-64	4 296	20,538	3.48	714	13	17,433	3.53	615	12-69	44	854	-.03	26	44
21-09-0202	5885897	1221835	8-63	3 305	17,627	3.70	652	8	14,450	3.64	526	4-70	42	696	-.01	24	38
21-09-0530	6103068	1239886	2-64	3 305	20,800	4.09	850	25	17,943	3.61	648	2-70	42	515	.11	35	42
21-09-0530	6103070	1278644	3-64	3 305	22,967	3.53	810	28	18,050	3.60	650	11-68	42	978	-.06	26	47
21-09-0548	5569179	1085978	8-61	6 302	17,530	3.74	656	23	14,985	3.90	584	1-70	44	763	-.03	23	39
21-09-0548	5700600	1085978	7-62	6 303	18,638	3.61	672	29	13,982	3.91	547	12-69	44	1,023	-.05	29	51
21-09-0699	5983643	1221835	10-63	2 305	20,835	3.81	794	25	14,720	3.69	543	12-68	40	965	.00	35	54
21-10-0022	5865057	1085978	7-63	5 297	19,234	4.16	801	56	17,102	3.84	656	1-70	44	738	.04	33	47
21-10-0022	6261713	1239886	1-65	3 305	21,890	3.73	817	31	16,667	3.88	646	5-69	42	772	.02	31	46
21-10-0022	6261715	1085978	2-65	3 302	19,663	3.70	727	26	17								

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COV'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	OOO- LARS		
21-10-0067	6142685	1271075	9-64	3 224	19,490	3.47	676	25	16,090	3.59	578	6-69 8	42	841	-.02	27	\$ 44
21-10-0067	6149151	1271075	9-64	3 263	19,567	3.35	656	29	16,517	3.59	593	2-69 8	42	806	-.04	23	40
21-10-0074	6148968	1278644	10-64	4 305	22,713	3.31	752	17	17,508	3.50	613	11-69	44	1,044	-.09	24	47
21-10-0078	5662046	1085978	5-62	5 303	17,846	4.03	720	17	15,400	3.78	582	10-69	44	756	.03	31	45
21-10-0086	6184396	1393997	7-64	4 305	26,155	3.51	917	34	18,890	3.64	688	3-70	40	1,336	.00	48	75
21-10-0086	6599751	1239242	1-66	2 305	22,375	3.85	862	40	18,085	3.80	687	10-69	40	745	.01	28	43
21-10-0086	6674721	1393997	11-66	2 302	24,245	3.77	913	36	19,630	3.67	721	12-69	36	898	.04	39	56
21-10-0086	7192071	1393997	12-66	2 305	21,815	3.70	808	38	19,430	3.69	717	1-70	36	654	.03	28	40
21-10-0086	7441037	1393997	9-67	1 305	24,470	3.92	959	32	18,080	3.90	705	8-69	31	909	.04	39	56
21-10-0116	5617621	1085978	8-61	7 302	23,420	3.54	830	33	17,764	3.83	680	2-70	44	1,201	-.06	34	59
21-10-0116	5617622	1085978	9-61	6 302	21,033	3.99	839	21	17,692	3.85	682	3-69	44	901	.02	35	52
21-10-0116	5884762	1221835	5-62	4 297	20,800	3.80	790	42	17,588	3.82	672	10-68	44	760	-.02	25	40
21-10-0139	5783628	1085978	10-62	5 305	18,956	3.40	645	13	16,230	3.51	569	11-69	44	803	-.04	23	40
21-10-0139	5833285	1085978	5-63	4 305	22,208	3.52	782	9	17,198	3.49	600	4-69	44	1,087	-.02	36	58
21-10-0139	5953592	1085978	10-63	4 303	22,715	3.25	739	13	16,615	3.48	579	3-69	44	1,214	-.07	33	59
21-10-0139	5953596	1239886	12-63	3 305	20,900	3.29	687	18	16,233	3.54	575	12-68	42	703	-.02	23	37
21-10-0139	6272650	1085978	9-64	3 305	19,733	3.51	692	7	17,130	3.52	603	7-69	42	774	-.03	24	40
21-10-0139	6734575	1348259	11-65	1 305	22,120	3.73	825	21	16,940	3.42	579	11-68	36	772	.03	33	47
21-10-0139	6734580	1348259	2-66	2 305	23,165	3.32	770	17	17,290	3.56	615	2-70	40	972	-.03	30	50
21-10-0139	6734585	1348259	9-66	1 305	21,410	3.72	796	17	17,980	3.72	668	12-69	36	649	.01	25	38
21-10-0139	6766916	1476679	2-67	1 305	22,210	3.67	815	25	16,900	3.72	629	10-69	31	824	-.04	24	41
21-10-0144	5846751	1296819	6-63	3 303	21,506	3.64	783	27	16,576	3.81	632	8-69	36	756	-.02	24	40
21-10-0144	6274048	1085978	9-64	3 290	19,663	3.79	745	18	16,810	3.78	636	4-69	42	799	-.01	27	43
21-10-0144	6419370	1348259	10-65	3 289	21,926	3.59	787	21	17,450	3.81	664	12-69	42	885	-.02	29	47
21-10-0144	6736071	1348259	8-66	2 300	19,055	3.99	761	31	16,645	3.79	631	8-69	40	613	.04	28	39
21-10-0144	6736076	1312008	10-66	1 305	21,560	4.15	894	30	16,810	3.65	613	7-69	36	496	.11	34	41
21-10-0144	6736080	1273756	2-67	1 305	21,390	3.32	711	33	17,020	3.69	628	8-69	36	704	-.01	24	38
21-10-0185	6431140	1221835	8-65	2 305	20,160	3.53	711	5	16,680	3.44	574	7-69	40	718	-.01	24	39
21-10-0186	5591428	1085978	7-61	5 303	21,114	3.74	789	5	18,090	3.63	656	12-68	44	865	.00	31	48
21-10-0186	5712835	1085978	10-62	2 305	23,055	3.57	823	8	17,955	3.58	642	10-68	40	1,012	-.02	33	54
21-10-0186	5836630	1278644	3-63	4 305	21,128	3.89	821	8	17,585	3.67	645	6-69	44	839	-.01	29	46
21-10-0186	6213305	1278644	1-65	3 301	22,463	3.50	787	5	17,607	3.73	657	5-69	42	966	-.08	23	44
21-10-0186	6693126	1070036	9-66	2 303	22,890	3.51	803	8	18,135	3.63	659	12-69 H	40	815	.03	34	49
21-10-0189	6279591	1085978	10-63	3 305	20,713	3.78	782	25	16,397	3.63	595	5-69	42	962	.00	35	54
21-10-0201	6531331	1348259	6-65	3 305	20,010	3.30	660	13	15,733	3.57	561	11-69	42	842	-.04	25	43
21-10-0201	6794260	1348259	2-67	1 305	20,440	3.78	773	17	16,690	3.73	623	1-70	36	663	.01	26	39
21-10-0203	5546566	1371179	11-61	5 299	19,714	3.96	781	26	15,968	3.68	588	11-68	38	714	.08	37	49
21-10-0203	6113422	1393997	7-64	3 305	21,593	3.64	785	27	16,680	3.83	639	6-69	38	965	.00	35	54
21-10-0203	6147607	1393997	10-64	4 302	19,945	3.77	752	28	16,640	3.73	620	12-69	40	786	.04	34	49
21-10-0216	6509066	1393997	5-65	2 305	22,170	4.45	987	35	17,165	3.67	630	11-69	36	913	.16	56	70
21-10-0216	6727131	1239242	8-66	2 305	21,365	3.59	766	35	17,265	3.72	642	10-69	40	717	-.02	23	38
21-10-0221	5624767	1199324	7-62	5 301	20,374	3.26	664	20	16,062	3.62	582	7-69	44	1,031	-.07	26	48
21-10-0221	5896835	1394824	10-63	3 305	22,470	3.69	830	31	17,810	3.55	633	12-68	37	779	.01	30	45
21-10-0221	5923874	1199324	8-63	5 303	18,830	4.06	765	54	16,844	3.67	619	2-70	44	741	.06	35	48
21-10-0221	5938412	1199324	12-63	3 305	21,273	3.49	743	48	17,113	3.68	630	3-69	42	979	-.04	29	49
21-10-0221	6003436	1199324	11-63	4 305	20,120	3.62	729	50	17,055	3.62	617	3-69	44	870	-.01	30	47
21-10-0221	6059070	1199324	1-64	3 305	22,020	3.55	782	39	18,006	3.60	648	2-70	42	973	-.02	32	52
21-10-0221	7127860	1261857	10-66	2 301	22,000	3.68	809	47	18,620	3.63	676	12-69	40	832	.07	40	55
21-10-0221	7174582	1330987	12-66	1 305	25,690	3.52	905	42	18,550	3.57	663	9-69	36	911	.03	37	54
21-10-0221	7174585	1417208	1-67	1 305	23,420	3.63	849	43	18,980	3.58	679	10-69	36	803	.01	31	47
21-10-0228	5696717	1245520	11-62	6 302	21,380	3.30	705	20	15,331	3.54	543	4-70	44	1,046	-.08	25	48
21-10-0230	6583776	1348259	8-65	3 305	17,820	3.52	628	52	14,766	3.55	524	10-69	42	691	.00	25	39
21-10-0230	6758323	1348259	5-65	3 302	18,143	3.46	628	46	14,650	3.55	520	9-69	42	740	-.01	25	40
21-10-0230	7355234	1348259	9-67	1 305	19,760	3.47	685	28	15,940	3.53	562	2-70	36	663	.00	24	37
21-10-0230	7355237	1348259	10-67	1 305	21,150	3.39	718	17	15,840	3.53	559	3-70	36	773	-.01	27	42
21-10-0230	7355240	1348259	11-67	1 305	20,450	3.50	715	28	15,940	3.53	562	2-70	36	714	.00	26	40
21-10-0231	5609310	1179372	1-62	4 301	17,518	3.58	628	24	13,740	3.70	509	5-69	44	672	.00	24	37
21-10-0243	5930677	1085978	10-63	4 300	16,413	3.39	556	27	13,528	3.67	496	5-69	44	779	-.06	20	37
21-10-0243	5947425	1085978	12-63	4 301	19,340	3.51	679	29	13,978	3.62	506	10-69	44	1,090	-.04	34	57
21-10-0245	5707578	1085978	11-62	4 301	20,453	3.45	705	23	14,908	3.68	549	1-70	44	1,125	-.06	32	56
21-10-0269	6343638	1237057	8-64	3 286	19,617	3.46	679	49	14,363	3.63	521	10-68 8	42	896	-.06	23	42
21-10-0270	5615722	010229512	1-60	2 214	23,245	3.02	702	82	15,585	3.53	550	8-69	40	908	-.03	29	48
21-10-0270	6543773	1289545	1-66	3 305	18,683	3.54	661	16	15,733	3.77	593	2-70	35	779	-.05	21	38
21-10-0271	5957366	1239886	1-63	4 303	20,388	4.03	821	16	16,793	3.64	611	1-70	44	616	.10	37	47
21-10-0277	5719075	1085978	8-62	3 305	15,587	3.50	545	14	12,247	3.58	438	7-69	42	802	-.03	24	41
21-10-0279	6250803	1273756	10-64	4 302	18,892	3.77	712	11	16,290	3.59	585	4-70	44	666	.05	31	43
21-10-0282	5796425	1222994	3-63	5 285	20,106	3.57	717	29	16,834	3.58	602	2-70	44	740	.00	26	41
21-10-0282	6327326	1296819	5-65	3 265	21,163	3.58	757	14	16,426	3.74	615	9-69	36	729	-.02	23	38
21-10-0285	6203641	1222994	11-64	4 286	20,258	3.52	714	19	15,425	3.56	549	4-70 8	44	899	-.01	31	49
21-10-0291	6065906	1245520	10-63	5 304	20,310	3.38	687	10	15,500	3.62	561						

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	PRODUCTION. FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS	
21-10-0605	6660775	1393997	8-66	1 305	16,460	3.50	576	29 13,060	3.58	468	11-68	31	628	.02	26	\$ 38
21-10-0608	5662314	1085978	10-61	6 292	17,855	-3.39	606	26 14,542	3.64	529	1-70	8 44	857	-.05	23	41
21-10-0608	5985536	1242163	12-63	4 298	19,705	3.59	707	33 15,085	3.76	567	6-69	44	941	-.13	15	37
21-10-0681	6023839	1330657	11-63	4 305	20,775	3.72	772	32 15,205	3.71	564	9-69	33	929	.00	34	52
21-10-0681	6224236	1440398	12-64	3 305	20,546	3.65	750	17 14,986	3.68	551	8-69	32	787	.02	31	46
21-10-0721	5913621	1085978	8-63	3 305	19,090	4.38	836	13 14,290	3.79	541	10-69	42	994	.07	47	65
21-10-0723	6178832	1237057	6-64	4 305	22,300	3.24	723	52 16,395	3.81	624	9-69	44	1,039	-.13	18	42
21-10-0727	6137835	1085978	3-62	6 304	18,140	3.76	682	17 15,850	3.70	587	3-70	44	742	-.01	26	41
21-10-0727	6616230	1278644	10-64	3 305	21,313	3.37	718	19 15,887	3.67	583	3-70	42	1,012	-.09	23	45
21-10-0912	6284461	1239886	11-64	3 305	19,300	3.49	673	69 15,213	3.60	547	7-69	42	625	.02	25	37
21-10-0912	6284472	1085978	12-64	3 298	17,927	3.37	605	76 14,813	3.58	531	12-69	42	806	-.05	22	39
21-10-0912	6393745	1278644	10-64	4 299	19,263	3.43	660	87 15,103	3.65	552	11-69	44	885	-.08	20	40
21-10-0912	6442869	1348259	9-65	2 305	19,530	3.79	740	79 15,545	3.67	571	1-69	40	762	.02	31	46
21-10-0912	6442871	1348259	11-65	3 305	19,460	3.81	741	81 14,926	3.69	551	11-69	42	863	.03	35	51
21-10-0912	6988993	1348259	9-67	1 305	18,360	3.73	685	77 14,540	3.77	548	12-69	36	652	.01	25	38
21-10-0928	6425700	1348259	7-65	2 305	24,335	3.81	926	8 19,765	3.93	777	4-69	40	864	.00	31	48
21-10-0928	6698789	1473674	10-65	3 305	24,857	4.04	1005	9 21,650	3.88	841	1-70	29	567	.05	28	38
21-10-0931	5909405	1404822	11-63	4 296	21,235	4.00	850	22 15,975	3.66	584	2-70	8 36	960	.08	47	64
21-10-0931	6501228	1242163	3-66	2 305	23,090	3.41	787	36 16,955	3.69	625	8-69	40	1,031	-.15	14	38
21-10-0978	5567780	1221835	2-62	4 305	21,495	3.75	805	22 17,160	3.67	630	12-68	44	893	.00	32	50
21-10-0978	6864020	1261857	5-67	1 305	19,650	3.76	739	31 16,080	3.74	601	9-69	36	752	.07	37	50
21-11-0010	6653342	1278644	11-66	2 305	21,210	3.67	778	17 15,815	3.52	557	8-69	40	945	-.03	29	49
21-11-0010	6838936	1278644	1-67	1 305	20,900	3.69	771	18 16,070	3.65	586	7-69	36	778	-.05	21	38
21-11-0015	5842536	1085978	7-63	4 300	20,018	3.52	704	42 16,533	3.54	586	3-69	44	890	-.03	28	46
21-11-0015	6109030	1085978	6-64	4 296	18,020	3.60	649	45 15,753	3.57	562	10-69	44	730	-.02	24	39
21-11-0022	6694277	1348259	9-66	1 305	20,250	3.41	690	25 15,960	3.64	581	10-69	36	698	-.01	23	37
21-11-0022	6694279	1458744	12-66	1 305	18,610	3.48	647	26 15,960	3.66	584	10-69	36	771	-.03	24	40
21-11-0022	7049608	1458744	12-67	1 305	17,110	3.60	616	14 14,670	3.76	551	3-70	36	745	-.02	24	39
21-11-0050	5261959	1085978	10-60	8 300	19,010	3.31	629	17 16,151	3.51	567	12-69	44	819	-.06	21	39
21-11-0050	6769061	1278644	8-66	2 305	21,525	3.48	750	21 15,810	3.50	553	12-69	40	977	-.06	27	48
21-11-0050	6769063	1348259	11-66	1 305	21,380	3.31	708	18 16,060	3.49	561	12-68	36	775	-.01	26	42
21-11-0050	7027583	1273756	11-67	1 305	18,930	3.75	709	26 16,000	3.44	550	11-69	36	589	.05	29	39
21-11-0050	7034041	1348259	9-67	1 305	21,800	3.54	771	25 16,030	3.44	552	11-69	36	809	.01	31	47
21-11-0052	5006453	1085978	9-59	6 305	20,200	3.47	700	21 17,218	3.61	621	10-68	44	849	-.04	24	42
21-11-0052	5314558	967873	10-60	6 305	24,570	3.13	770	13 17,855	3.63	648	2-69	44	1,140	-.13	21	47
21-11-0052	6262350	1245520	1-65	3 305	22,420	3.91	876	20 16,943	3.70	627	8-69	42	921	.01	34	52
21-11-0052	6262352	1085978	1-65	3 305	18,997	3.90	740	22 16,803	3.71	623	8-69	42	723	.01	28	42
21-11-0052	6499196	1223243	10-65	2 305	22,115	3.61	799	26 17,380	3.72	646	11-69	40	798	-.02	26	42
21-11-0056	6892737	1240125	9-66	1 305	19,340	3.30	639	17 13,490	3.51	473	2-69	36	749	-.03	22	38
21-11-0067	5737072	010229512	11-62	3 301	19,323	3.86	745	39 15,937	3.64	580	3-70	42	524	.10	33	41
21-11-0067	6291656	1330987	10-64	3 301	20,333	3.43	698	28 15,287	3.63	555	10-69	42	909	.00	33	51
21-11-0067	6407740	1038509	10-65	1 305	23,940	3.41	817	15 15,460	3.71	574	5-69	36	905	-.06	23	43
21-11-0067	6795635	1122127	2-67	1 305	23,110	3.02	699	38 15,530	3.57	555	9-69	36	927	-.11	17	38
21-11-0067	6898292	1239242	8-67	1 305	21,670	3.31	717	36 15,570	3.55	553	12-69	36	751	-.03	22	38
21-11-0082	5983795	1312008	12-63	5 305	21,624	3.08	667	29 16,718	3.64	608	11-69	44	774	-.05	20	37
21-11-0082	6178528	1085978	10-63	4 305	20,895	3.98	832	27 16,303	3.62	590	11-69	44	1,024	.04	43	62
21-11-0082	6696665	1348259	9-66	2 305	20,425	3.44	703	33 16,445	3.63	597	10-69	40	771	-.02	25	41
21-11-0087	5146665	1290983	9-59	6 305	16,920	3.69	625	39 14,740	3.27	482	10-69	35	496	.08	29	37
21-11-0087	5146672	1290983	12-59	7 302	17,681	3.62	587	39 14,379	3.29	473	3-70	35	660	.00	24	37
21-11-0087	6763269	1458744	8-66	1 277	20,850	3.05	636	61 13,190	3.11	410	11-68	H 36	1,123	-.04	35	58
21-11-0087	6763285	1221835	10-66	2 304	17,345	3.27	568	62 13,660	3.07	420	10-69	40	708	-.02	23	37
21-11-0095	5080537	1085978	3-60	3 305	23,587	3.12	735	24 17,960	3.52	633	7-69	42	1,131	-.10	26	51
21-11-0095	6100070	1252934	6-64	4 305	22,480	3.54	795	33 18,338	3.55	651	9-69	44	716	.01	27	41
21-11-0095	6135942	1278644	9-64	3 304	22,027	3.44	758	33 18,460	3.57	659	10-68	42	827	-.07	19	37
21-11-0095	6150016	1252934	10-64	4 305	23,735	3.35	796	22 18,385	3.55	653	3-70	44	865	-.03	27	45
21-11-0095	6171133	1085978	10-64	4 305	25,848	3.58	926	29 18,205	3.56	649	12-69	44	1,424	-.02	48	77
21-11-0095	6171134	1085978	11-64	4 305	20,148	3.70	745	24 18,603	3.55	660	3-70	44	676	.00	25	38
21-11-0095	6481224	1085978	1-66	2 305	20,360	3.76	766	26 17,775	3.47	617	8-69	40	755	.02	30	44
21-11-0099	5976599	1245520	8-63	5 304	19,006	3.95	750	37 16,048	3.64	584	1-70	44	657	.02	26	39
21-11-0099	5976604	1239886	11-63	5 304	19,958	3.69	737	45 15,812	3.62	572	12-69	44	694	.04	31	44
21-11-0099	5976611	1085978	9-63	5 301	18,498	3.52	652	45 15,768	3.63	572	9-69	44	798	-.04	23	40
21-11-0099	6434132	1348259	8-65	3 305	20,786	3.41	708	24 16,043	3.65	586	2-70	42	899	-.03	28	47
21-11-0099	6434133	1348259	8-65	3 298	19,230	3.46	665	41 15,866	3.59	570	11-69	42	739	-.02	24	39
21-11-0099	6434139	1278644	9-65	3 305	21,007	3.20	672	38 16,097	3.60	580	12-69	42	955	-.11	18	40
21-11-0099	6689810	1348259	8-66	2 305	18,535	3.97	735	36 15,600	3.55	554	12-69	40	656	.06	32	44
21-11-0099	6689812	1348259	9-66	2 305	19,020	3.28	623	45 15,280	3.56	544	8-69	40	734	-.03	22	37
21-11-0101	5549027	1085978	8-61	7 304	18,530	3.43	635	55 15,621	3.59	561	9-69	44	819	-.04	23	40
21-11-0101	5980485	1239886	7-63	3 293	21,330	3.53	754	15 16,473	3.69	608	5-69	42	728	.01	28	42
21-11-0101	6143442	1272013	8-63	3 305	22,523	3.28	739	10 15,927	3.72	593	5-69	42	1,038	-.11	21	44
21-11-0101	6436898	1278644	9-65	2 305	20,405	3.46	706	41 15,630	3.59	561	9-69	40	880	-.07	22	41
21-11-0101	6454251	1278644	8-65	3 305	20,233	3.47	703	51 16,323	3.61	589	1-70	42	842	-.07	20	38
21-11-0101	6459075	1348259	8-65													

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MG-YR O	.....C O W REPT (%)	MILK (L8)	FAT (%)	FAT (L8)	DOL- LARS		
21-11-0161	5786098	1049547	5-61	3 305	20,800	3.80	790	21	16,730	3.56	596	4-69	42	710	.00	25	\$ 39
21-11-0161	5961664	1396483	9-63	3 305	22,536	3.42	771	26	16,726	3.56	596	11-68	33	764	-.04	22	38
21-11-0163	6302942	1244845	11-64	3 289	21,183	3.35	710	18	15,927	3.60	574	4-69	42	848	-.07	20	39
21-11-0171	6419073	1439342	9-65	3 305	19,483	3.22	627	44	14,753	3.44	508	9-69	32	832	-.07	19	37
21-11-0171	6765440	1458744	11-66	1 305	17,470	3.26	569	38	13,620	3.42	466	8-69	36	843	-.03	26	43
21-11-0178	5719326	1239886	11-62	1 305	22,210	3.69	820	13	16,070	3.54	569	4-69	36	628	.04	29	40
21-11-0178	5768001	1239886	11-62	4 305	19,655	3.61	709	16	15,963	3.53	563	7-69	44	618	.04	28	39
21-11-0178	5931654	1085978	11-62	4 305	19,630	3.46	680	11	16,135	3.53	570	4-69	44	886	-.03	27	45
21-11-0178	6190920	1294703	8-64	4 305	19,143	3.72	713	21	15,903	3.66	582	10-69	43	802	-.02	26	42
21-11-0178	6190922	1242163	10-63	4 305	21,520	3.57	769	17	16,583	3.65	605	3-70	44	999	-.12	18	41
21-11-0178	6872288	1276654	11-65	2 305	21,210	3.50	743	25	16,260	3.44	560	8-69	40	671	-.01	23	37
21-11-0190	6268169	1085978	1-65	3 305	20,200	3.55	717	15	15,590	3.87	603	3-70	42	987	-.06	27	48
21-11-0190	6991369	1458744	10-67	1 305	21,790	3.65	795	22	16,390	3.88	636	11-69	36	979	-.02	32	52
21-11-0203	5973173	1085978	3-63	3 304	20,093	3.64	732	16	16,610	3.49	579	12-69	42	869	.00	31	48
21-11-0203	6707112	1348259	8-66	1 305	21,050	3.32	699	12	16,470	3.29	542	6-69	36	723	.00	26	40
21-11-0211	5555174	1085978	11-61	4 296	18,385	3.66	672	78	15,960	3.40	543	7-69	44	752	.01	29	44
21-11-0211	5825096	1085978	7-62	2 305	24,285	3.42	831	67	16,720	3.50	585	7-69	40	1,249	-.04	39	65
21-11-0211	6441513	1278644	9-65	2 305	20,435	3.46	708	52	16,355	3.55	580	6-69	40	817	-.06	20	38
21-11-0211	6517640	1278644	11-65	3 296	20,783	3.52	732	46	16,103	3.57	575	12-69	42	928	-.06	25	45
21-11-0211	6566881	1278644	11-65	2 299	20,895	3.40	710	52	16,355	3.55	580	6-69	40	864	-.08	20	39
21-11-0211	6566883	1278644	1-66	2 301	23,000	3.12	717	45	16,705	3.55	593	5-69	40	1,045	-.12	20	44
21-11-0211	6688064	1348259	6-66	2 305	22,305	3.41	760	53	16,685	3.51	585	10-69	40	939	-.01	32	51
21-11-0211	6688065	1348259	8-66	2 271	20,390	3.54	722	41	17,085	3.55	607	12-69	40	709	.00	26	40
21-11-0211	6688066	1348259	8-66	2 305	22,420	3.66	821	38	17,180	3.56	612	12-69	40	906	.02	36	53
21-11-0211	6834374	1348259	2-67	1 305	21,230	3.53	749	55	17,510	3.47	607	6-69	36	667	.01	26	39
21-11-0211	6861386	1278644	1-67	1 305	22,860	3.64	833	54	16,850	3.57	601	6-69	36	872	-.04	25	43
21-11-0233	6683428	1278644	10-66	2 301	21,815	3.36	734	18	16,175	3.40	550	10-69	40	973	-.07	25	46
21-11-0241	5871411	1085978	9-62	5 305	18,840	3.66	690	10	16,412	3.45	566	10-69	44	767	.01	29	44
21-11-0251	6546852	1278644	3-66	1 302	18,560	3.87	718	10	14,240	3.57	509	8-69	36	726	-.03	22	37
21-11-0253	5205798	1085978	9-60	5 305	19,740	3.92	773	30	15,840	3.65	578	4-70	44	949	.03	38	56
21-11-0253	5497948	1221835	2-62	5 304	21,232	3.63	770	30	16,128	3.61	582	4-69	44	1,000	-.01	34	54
21-11-0253	5741704	1085978	12-62	4 305	20,590	2.86	588	31	15,763	3.70	583	12-69	44	1,046	-.16	14	39
21-11-0253	5991646	1085978	9-63	4 305	20,220	3.54	716	47	15,465	3.60	557	9-68	44	1,034	-.03	33	54
21-11-0253	6307283	1308091	2-65	3 304	21,960	3.21	705	41	15,147	3.53	535	8-69	42	982	-.09	22	44
21-11-0253	6366683	1427708	7-65	3 293	19,033	3.50	666	51	15,050	3.56	536	7-69	35	708	-.02	23	37
21-11-0253	6793857	1348259	3-67	1 305	19,280	3.82	736	47	15,050	3.57	538	8-69	36	687	.03	29	42
21-11-0253	7000148	1458744	8-67	1 305	17,840	3.27	584	56	15,160	3.62	549	8-69	36	767	-.04	22	38
21-11-0261	6696667	1348259	12-66	1 287	18,730	4.19	785	9	16,410	3.64	598	2-70	36	554	.06	29	38
21-11-0265	6438448	1278644	10-65	3 301	19,587	3.45	676	15	14,863	3.67	546	11-69	42	919	-.08	22	42
21-11-0268	6615784	1348259	3-66	2 305	21,460	3.36	720	24	17,845	3.55	633	11-69	40	748	-.03	23	39
21-11-0268	6615785	1348259	6-66	2 305	25,480	2.75	700	20	18,425	3.48	641	1-70	40	1,103	-.12	21	46
21-11-0268	6698184	1261857	10-66	2 303	19,570	3.50	685	18	17,895	3.49	624	4-70	40	652	.06	32	43
21-11-0268	6698185	1261857	10-66	1 305	22,020	3.48	766	24	18,040	3.50	632	9-69	36	797	.06	37	51
21-11-0268	6934314	1261857	8-67	1 305	20,740	3.64	754	10	18,160	3.41	619	3-70	36	694	.08	37	49
21-11-0276	6772938	1458744	1-67	1 305	18,580	3.55	659	6	15,400	3.58	552	7-69	36	806	-.01	27	43
21-11-0288	5693129	1239886	9-62	3 305	18,367	3.88	712	30	14,937	3.49	521	3-70	42	546	.08	32	41
21-11-0288	6177219	1417030	9-63	5 276	20,128	3.29	662	24	15,686	3.56	558	1-70	37	932	-.08	21	42
21-11-0288	6726670	1417208	12-65	2 305	19,975	3.26	651	25	14,400	3.51	506	7-69	40	979	-.03	31	51
21-11-0288	6742592	1348259	1-67	1 303	19,280	3.40	656	33	15,220	3.53	537	3-70	36	675	-.01	23	37
21-11-0292	5856744	1085978	8-63	5 301	19,536	4.18	817	17	17,714	3.58	635	1-70	44	705	.08	37	49
21-11-0292	6384620	1221835	8-65	3 299	20,727	4.15	860	24	17,363	3.62	628	11-69	42	751	.07	37	50
21-11-0308	5983790	1239886	9-63	2 305	18,515	3.42	633	11	13,580	3.64	494	10-69	40	642	.01	24	37
21-11-0480	4763577	1085978	9-58	7 305	19,806	3.51	695	55	17,003	3.59	610	10-69	44	823	-.03	25	42
21-11-0480	5230186	1085978	9-60	7 302	21,967	3.58	786	36	17,606	3.64	641	4-69	44	1,032	-.03	33	54
21-11-0480	6157946	1414442	7-64	3 305	24,733	3.60	890	31	18,620	3.57	665	3-69	32	1,002	.01	37	57
21-11-0480	6157947	1414442	7-64	3 299	20,543	3.97	816	48	18,090	3.59	649	11-68	32	495	.08	29	37
21-11-0480	6168804	1240125	9-64	4 299	21,768	3.48	758	41	18,300	3.58	656	11-69	44	763	-.03	23	39
21-11-0480	6827588	1348259	1-67	1 305	22,960	3.61	828	38	17,010	3.53	601	6-69	36	829	.01	32	48
21-11-0480	6827589	1348259	3-67	1 305	22,530	3.50	789	38	17,010	3.53	601	6-69	36	797	.00	29	45
21-11-0480	6827594	1404202	3-67	1 305	23,930	3.45	825	40	17,240	3.52	606	6-69	35	854	-.07	20	39
21-11-0480	6909795	1348259	9-67	1 305	21,500	3.95	849	67	17,330	3.52	610	9-69	36	699	.05	33	46
21-11-0484	4984980	1271226	11-59	7 302	19,879	3.68	732	20	15,846	3.67	582	4-69 H	36	683	.01	26	39
21-11-0484	6698206	1458744	9-66	1 305	17,790	3.67	653	21	14,300	3.80	544	7-69 H	36	821	-.02	27	44
21-11-0484	6698207	1458744	10-66	1 305	22,470	3.57	802	21	14,300	3.80	544	7-69	36	1,170	-.03	38	62
21-11-0484	6698208	1458744	10-66	1 305	17,310	4.02	695	21	14,300	3.80	544	7-69	36	785	.01	30	45
21-11-0533	6220388	1303198	12-64	3 305	20,060	3.88	778	26	15,980	3.62	578	10-69	42	666	.05	31	43
21-11-0654	5689721	1085978	9-62	5 305	15,972	3.72	594	29	13,666	3.72	508	4-69	44	716	-.02	23	38
21-11-0654	5981560	1085978	6-63	5 291	17,462	3.26	570	42	13,466	3.60	485	10-69	44	931	-.07	23	43
21-11-0654	5981561	1085978	8-63	4 305	15,435	3.75	579	43	13,320	3.66	487	5-69	44	681	-.01	23	37
21-11-0654	5981563	1085978	9-63	5 300	16,694	3.52	588	39	14,324	3.59	514	4-70	44				

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUE0).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW BORN SIRE MG-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	OOL- LARS				
21-11-0727	5777006	1085978	1-63	4	305	20,193	3.87	782	28	16,745	3.58	600	10-69	44	888	.03	36	\$ 53
21-11-0727	5974277	1419311	12-63	5	304	20,800	3.50	728	31	16,642	3.59	597	2-70	32	702	-.02	23	37
21-11-0727	6416607	1348259	10-65	3	303	19,390	3.68	713	30	17,253	3.55	613	2-70	42	614	.03	26	38
21-11-0737	6044431	1259069	12-63	3	305	21,740	3.69	802	29	17,186	3.64	626	10-68	42	712	-.02	23	38
21-11-0737	6170487	1085978	8-64	4	298	21,470	3.33	716	33	17,428	3.46	603	1-70	44	970	-.05	27	48
21-11-0737	6344124	1085978	4-65	3	305	22,357	3.27	732	38	16,997	3.39	577	12-69	42	1,089	-.06	31	54
21-11-0737	6724379	1348259	10-66	1	305	21,990	3.72	819	41	17,960	3.51	631	11-68	36	693	.03	29	42
21-11-0737	6831589	1406271	3-67	1	305	23,320	3.46	807	27	17,110	3.66	627	3-69	36	945	.01	36	54
21-11-0737	6879148	1406271	5-67	1	305	18,710	3.20	598	46	15,600	3.15	492	10-69	36	703	.02	29	42
21-11-0737	6975294	1348259	10-67	1	305	23,240	2.59	601	35	17,010	2.86	487	1-70	36	850	-.05	23	41
21-11-0737	7051724	1273756	10-67	1	305	24,710	2.69	664	42	15,610	3.10	484	11-69	36	1,046	-.05	30	52
21-11-0737	7051725	1273756	10-67	1	305	22,750	2.92	664	33	16,670	2.87	479	1-70	36	829	.00	30	46
21-11-0873	5649736	1112211	9-62	5	301	18,750	3.58	671	12	15,642	3.71	581	3-69	44	791	-.04	22	39
21-11-0873	5722749	1239886	11-62	5	303	20,346	4.05	825	10	15,372	3.66	563	4-69	44	795	.10	44	57
21-11-0873	5948937	1112211	3-63	3	305	20,563	3.28	675	11	15,177	3.72	565	1-69	42	1,015	-.09	23	45
21-11-0873	6813568	1348259	10-66	1	305	20,610	3.44	710	13	14,830	3.64	540	8-69	36	800	-.01	27	43
21-11-0873	6813569	1348259	12-66	1	305	21,530	3.68	792	13	14,830	3.64	540	8-69	36	869	.01	33	50
21-11-0883	4536662	1208711	11-57	4	303	18,068	3.95	713	27	14,458	3.51	508	1-70	37	639	.05	31	42
21-11-0883	6303598	1085978	7-64	1	305	21,450	3.35	718	21	15,260	3.52	537	12-68	8	953	-.04	28	48
21-11-0883	6371654	1085978	12-64	3	305	18,040	3.62	653	27	13,797	3.51	484	10-69	36	924	-.01	32	51
21-11-0883	6605467	1085978	12-65	2	305	18,610	3.66	681	34	13,930	3.51	489	10-69	40	928	.00	33	51
21-11-0883	6605468	1085978	12-65	2	305	17,810	3.83	682	29	13,785	3.50	483	9-69	40	860	.01	33	50
21-12-0031	5906174	1085978	10-63	3	233	19,813	3.73	739	17	17,847	3.53	630	1-69	42	709	.01	27	41
21-12-0031	6699186	1278644	8-66	2	296	20,325	3.72	756	17	15,960	3.67	585	10-69	40	842	-.04	24	42
21-12-0031	6782853	1458744	10-66	1	305	22,190	3.39	752	21	16,220	3.64	590	8-69	36	1,020	-.04	31	52
21-12-0031	6911736	1312008	6-67	1	305	22,960	3.77	865	16	15,740	3.70	583	11-69	36	672	.07	34	46
21-12-0032	6423906	1085978	3-65	3	299	24,427	3.44	841	15	17,463	3.51	613	11-69	42	1,279	-.04	40	66
21-12-0032	7021076	1278644	1-67	1	305	22,470	3.07	689	10	15,820	3.50	554	12-69	36	912	-.11	17	38
21-12-0036	5747715	1085978	9-62	3	300	16,510	3.86	637	35	14,227	3.45	491	7-69	42	704	.02	29	42
21-12-0036	6131542	1239886	5-64	3	305	17,670	4.14	731	27	15,433	3.40	524	6-69	42	415	.13	34	39
21-12-0036	6258985	1085978	10-64	3	287	18,123	3.24	587	19	15,117	3.50	529	12-69	42	797	-.06	20	37
21-12-0036	6395573	1085978	10-65	1	305	18,500	3.61	667	35	15,600	3.29	514	8-69	36	711	.00	25	39
21-12-0036	6704932	1348259	9-66	2	305	19,410	3.58	695	46	15,275	3.44	526	11-69	40	774	.02	31	46
21-12-0042	5809220	1085978	12-62	5	305	27,844	3.51	977	12	23,244	3.64	846	11-69	44	1,135	-.05	34	58
21-12-0042	5809221	1085978	12-62	5	305	26,488	3.76	995	16	22,188	3.65	809	3-70	44	1,083	.01	40	61
21-12-0042	6105600	1085978	3-64	4	305	25,308	3.43	868	19	22,670	3.64	825	11-69	44	861	-.06	22	41
21-12-0042	6419302	1221835	7-65	3	305	25,370	3.63	921	29	22,907	3.54	810	9-69	42	712	.00	25	39
21-12-0042	6732470	1348259	9-66	2	305	24,985	3.45	861	25	22,485	3.50	786	7-69	40	682	.00	24	38
21-12-0042	6779682	1348259	8-66	2	305	24,820	3.51	870	25	22,485	3.50	786	7-69	40	665	.01	25	38
21-12-0047	5431382	1085978	8-61	6	304	16,797	3.69	620	22	14,738	3.59	529	10-69	44	698	-.01	24	38
21-12-0047	5674984	1085978	3-62	3	305	17,307	3.95	684	18	15,087	3.68	555	3-70	42	706	.02	28	42
21-12-0050	6931891	1458744	11-67	1	305	20,200	3.33	673	26	16,850	3.63	612	11-69	36	830	-.04	24	41
21-12-0050	7113043	1348259	9-67	1	305	20,340	3.61	735	26	16,850	3.62	610	11-69	36	645	.01	24	37
21-12-0050	7354378	1312008	3-68	1	305	20,030	4.30	862	10	16,120	3.64	587	3-70	36	428	.12	33	38
21-12-0061	6072684	1329588	2-64	4	305	21,098	4.01	846	18	18,360	3.61	663	10-69	44	621	.05	30	41
21-12-0061	6413127	1085978	7-65	3	305	21,753	3.59	782	30	20,027	3.54	708	1-70	42	706	-.01	24	38
21-12-0061	6494108	1348259	9-65	3	305	23,693	3.26	772	29	19,943	3.55	707	12-69	42	830	-.05	23	41
21-12-0061	6739980	1406271	9-66	2	305	24,290	3.42	831	17	18,265	3.65	666	9-69	40	1,087	-.01	38	60
21-12-0065	5677920	1085978	6-62	5	296	17,740	3.51	622	13	14,572	3.77	550	10-69	44	839	-.06	22	40
21-12-0065	6607594	1383311	5-66	2	305	19,270	3.63	700	14	14,330	3.65	523	10-69	40	735	-.02	23	38
21-12-0080	6118368	1278644	3-64	4	304	19,100	3.59	686	27	15,973	3.57	571	11-69	44	768	-.05	21	37
21-12-0080	6384308	1348259	8-65	3	294	19,916	3.45	687	22	16,060	3.67	589	2-70	42	798	-.03	25	41
21-12-0096	6214215	1085978	8-64	4	302	18,535	3.52	652	27	14,040	3.53	495	11-69	44	984	-.02	32	52
21-12-0096	6468376	1348259	8-65	3	304	16,606	3.61	600	23	14,226	3.49	497	11-69	42	607	.02	25	37
21-12-0103	6094607	1085978	4-64	4	305	18,868	3.61	682	14	15,375	3.54	544	10-69	44	877	-.01	30	48
21-12-0103	6368178	1221835	4-65	3	301	18,613	3.69	687	11	15,490	3.54	549	1-70	42	702	.00	25	39
21-12-0114	5303277	1085978	11-60	3	303	20,030	3.72	746	8	16,640	3.57	594	4-69	42	859	.00	31	48
21-12-0114	5735855	1085978	9-62	3	305	21,700	3.57	775	11	16,277	3.60	586	6-69	42	1,088	-.02	36	58
21-12-0114	5840656	1085978	10-62	4	297	20,625	3.24	669	24	17,540	3.54	621	12-69	44	853	-.07	20	39
21-12-0114	6348868	1278644	4-65	3	299	21,690	3.52	763	31	17,810	3.57	636	10-69	42	856	-.06	22	40
21-12-0114	6374324	1348259	3-65	3	302	20,780	3.41	709	24	17,326	3.58	620	8-69	42	766	-.02	24	40
21-12-0125	6025704	1085978	9-63	3	305	16,357	3.65	597	60	14,517	3.38	490	9-69	42	656	.01	25	38
21-12-0133	6274866	1312008	2-65	2	254	17,545	3.57	626	41	13,190	3.56	469	1-70	8	548	.05	27	37
21-12-0140	7058233	1261857	3-67	1	305	16,170	3.74	604	69	12,560	3.60	452	8-69	36	729	.07	37	50
21-12-0147	5904447	1239886	9-62	6	301	19,840	4.14	821	13	17,638	3.61	637	3-70	44	467	.13	35	41
21-12-0147	6614772	1348259	9-66	2	305	23,765	3.29	782	30	18,715	3.54	662	10-69	40	902	-.04	27	46
21-12-0155	4987776	1216957	12-58	9	301	19,712	3.67	723	16	14,687	3.61	530	2-70	44	669	.03	29	41
21-12-0168	5579757	1085978	2-62	4	305	20,068	3.70	742	20	16,430	3.69	607	10-68	44	908	-.02	30	48
21-12-0168	6020																	

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	FAT (%)	PRODUCTION FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES... FAT (%)	LAST CALVO MO-YR	T C O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	..... FAT (L8)	..... OOL- LARS	
21-12-0244	6174701	1244845	10-64	4 301	21,735	3.34	726	32	16,758	3.55	595	11-69	44	865	-.07	21	\$ 40
21-12-0256	6464672	1221835	1-66	2 305	20,835	3.31	690	16	16,225	3.51	570	3-70	40	828	-.05	22	40
21-12-0256	6504016	1348259	9-65	3 283	19,573	3.63	711	14	15,876	3.49	554	4-70	42	777	.02	31	46
21-12-0288	6336994	1085978	2-65	1 305	20,260	3.49	708	22	17,030	3.61	614	8-69	36	746	-.03	22	38
21-12-0304	6424904	1348259	10-65	2 300	17,820	3.80	678	18	14,825	3.54	525	10-69	40	654	.04	29	41
21-12-0305	5929495	1221835	10-63	4 305	19,880	3.71	738	23	15,138	3.75	568	3-69	44	918	-.01	31	50
21-12-0305	6335908	1085978	1-65	3 300	18,297	3.65	668	27	15,310	3.70	566	12-69	42	797	-.03	25	41
21-12-0305	6340721	1278644	2-65	3 297	20,057	3.00	601	39	14,747	3.63	535	9-69	42	985	-.14	14	37
21-12-0305	6340722	1245520	3-65	3 305	21,006	3.54	744	35	15,093	3.62	547	12-69	42	950	-.05	27	47
21-12-0305	6737041	1348259	9-66	2 305	18,070	3.68	665	37	14,600	3.47	507	8-69	40	700	.03	29	42
21-12-0305	6923497	1348259	8-67	1 305	19,600	3.67	719	32	14,620	3.45	504	12-69	36	739	.02	30	44
21-12-0305	6974230	1221835	2-67	1 305	19,270	3.44	663	48	14,630	3.41	499	11-69	36	709	-.02	22	37
21-12-0307	6640457	1278644	10-65	3 297	19,537	3.20	625	28	14,663	3.44	505	11-69	42	934	-.09	20	41
21-12-0330	5950749	1085978	10-63	3 305	20,923	3.83	801	15	16,263	3.70	601	11-68	42	1,000	.01	37	57
21-12-0330	6306143	1085978	11-64	4 305	19,723	3.81	751	17	17,063	3.66	625	1-70	44	795	.00	29	45
21-12-0330	6524831	1399850	9-65	3 305	24,003	4.05	973	23	17,180	3.63	623	10-69	41	991	.13	55	71
21-12-0330	6754210	1221835	9-66	2 305	22,960	3.41	782	19	17,430	3.61	630	3-70	40	933	-.05	26	46
21-12-0330	6780958	1399850	10-66	2 305	26,220	3.59	942	22	18,045	3.59	647	11-69	39	1,049	.05	45	65
21-12-0330	6780959	1399850	12-66	1 305	20,960	3.95	828	12	16,550	3.44	570	4-69	35	529	.11	35	43
21-12-0330	6947781	1273756	7-67	1 305	22,170	3.38	749	22	17,260	3.44	594	8-69	36	746	.01	29	43
21-12-0355	4422515	1049547	1-57	3 305	25,700	3.41	876	22	16,223	3.62	587	11-68	42	1,326	-.08	36	64
21-12-0355	5801557	1239886	12-62	5 305	20,810	3.81	793	28	16,216	3.55	576	12-69	44	757	.07	38	51
21-12-0355	5900900	1239886	7-63	5 305	18,866	3.79	715	17	16,052	3.57	573	3-70	44	525	.06	28	37
21-12-0355	6208856	1239886	9-64	4 302	21,515	3.18	684	22	16,245	3.56	578	1-70	H 44	816	-.04	23	40
21-12-0355	6208857	1239886	10-64	3 305	20,363	3.80	774	19	16,023	3.64	583	8-69	42	663	.06	33	45
21-12-0355	6335590	1239886	2-65	3 299	22,870	3.29	753	24	16,727	3.56	596	9-69	42	879	-.02	29	47
21-12-0355	6487243	1348259	10-65	3 305	21,643	3.55	768	28	17,450	3.50	610	2-70	42	852	.01	32	49
21-12-0355	6506479	1348259	2-66	2 304	19,330	3.46	668	17	16,220	3.51	569	8-69	40	680	.00	24	38
21-12-0355	6707156	1348259	10-66	2 305	20,015	3.75	751	23	16,905	3.49	590	9-69	40	687	.04	31	44
21-12-0362	5523896	1189870	8-61	7 302	19,971	3.78	754	14	16,553	3.79	627	10-69	44	688	.01	26	39
21-12-0362	5771934	1244845	1-63	5 305	20,730	4.07	844	11	17,200	3.85	662	12-69	44	710	.02	29	42
21-12-0362	5955993	1189870	10-63	3 251	21,540	3.45	743	19	16,820	3.88	652	7-69	42	798	-.05	21	38
21-12-0362	6594589	1389471	4-65	4 305	21,135	4.06	859	6	17,755	3.92	696	2-70	44	677	.00	25	38
21-12-0371	6384309	1441303	12-64	3 305	25,827	3.67	948	24	16,990	3.77	640	12-69	29	1,303	-.01	46	72
21-12-0371	6452593	1416743	10-65	2 305	24,755	2.84	703	21	16,900	3.70	625	11-69	H 34	1,082	-.13	19	44
21-12-0371	6452597	1406271	11-65	2 305	21,185	4.08	865	24	17,935	3.67	658	10-69	40	802	.09	42	56
21-12-0371	6728012	1347940	10-66	2 230	19,400	3.50	679	22	17,055	3.51	599	1-70	40	805	-.01	28	44
21-12-0371	6772003	1458744	10-66	1 305	20,000	3.67	734	13	16,340	3.55	580	7-69	36	849	.00	31	48
21-12-0378	6126823	1417208	8-64	3 300	17,840	3.67	655	66	15,843	3.64	577	9-69	42	646	.01	25	38
21-12-0384	5219247	1085978	12-59	8 300	18,319	3.70	677	23	14,331	3.61	518	1-70	44	941	-.01	33	52
21-12-0384	5990822	1239886	8-62	3 301	16,813	4.00	673	9	13,847	3.62	501	7-69	42	480	.09	30	37
21-12-0384	5990827	1240125	9-63	4 285	18,913	3.61	683	27	14,948	3.65	545	10-68	H 44	783	-.02	26	42
21-12-0384	6814878	1270922	10-65	3 301	20,557	3.48	715	32	14,427	3.63	524	9-69	42	855	-.05	23	41
21-12-0392	6307161	1221835	2-65	2 305	19,570	3.62	708	5	15,770	3.82	603	3-70	40	741	-.04	21	37
21-12-0392	6442106	1278644	6-65	1 305	20,790	3.56	741	16	14,820	3.93	582	1-70	36	854	-.08	19	38
21-12-0392	6897237	1360676	9-67	1 305	18,140	3.82	693	26	14,530	3.80	552	8-69	34	753	.01	29	44
21-12-0396	6511924	1348259	1-66	2 305	16,820	3.78	635	12	14,460	3.57	516	7-69	40	586	.03	26	37
21-12-0398	6178776	1085978	11-64	2 305	19,760	3.39	669	16	16,320	3.59	586	3-69	40	827	-.05	23	41
21-12-0398	6684149	1278644	7-66	2 305	24,280	3.29	798	19	18,780	3.48	654	1-70	40	986	-.09	22	44
21-12-0402	6821384	1406271	10-66	1 305	19,890	3.86	767	29	18,200	3.54	644	7-69	36	616	.06	31	42
21-12-0452	7026173	1416771	1-68	1 305	21,380	3.67	785	18	15,560	3.64	566	1-70	26	677	.04	31	43
21-12-0474	6418424	1348259	8-65	3 305	20,696	3.55	735	18	17,946	3.54	636	10-69	42	692	.01	26	40
21-12-0479	4442809	1257738	1-56	6 303	26,011	3.12	812	46	16,413	3.58	587	3-70	35	1,593	-.13	38	73
21-12-0479	5452468	1374428	11-61	5 302	19,910	3.45	687	41	15,926	3.54	564	4-69	36	814	-.01	28	44
21-12-0479	5797289	1280015	3-63	3 289	20,330	3.90	792	49	16,303	3.63	591	2-69	42	503	.12	35	42
21-12-0479	5859670	1280015	5-63	3 305	27,130	3.97	1076	43	16,527	3.59	594	2-69	42	1,272	.14	67	89
21-12-0479	6303525	1282936	4-65	3 305	24,887	3.25	810	57	16,467	3.61	594	10-69	42	1,242	-.07	34	60
21-12-0479	6477014	1357743	11-65	2 305	24,740	3.22	796	21	15,040	3.66	551	5-69	40	1,116	-.09	26	51
21-12-0479	6477015	1417208	12-65	2 304	24,440	2.97	726	29	16,055	3.61	579	5-69	40	1,281	-.10	31	59
21-12-0479	6591707	1466272	5-66	2 305	22,180	3.55	787	49	16,485	3.65	601	9-69	30	834	-.03	26	43
21-12-0489	6411959	1312008	8-65	3 305	22,796	3.47	792	28	18,000	3.73	671	1-70	42	707	.01	27	41
21-12-0489	6493712	1278644	10-65	3 305	21,430	3.50	751	27	17,520	3.76	659	10-69	42	856	-.08	19	38
21-12-0489	6639626	1348259	6-66	2 301	22,245	3.72	827	32	18,090	3.74	677	11-69	40	805	.01	30	46
21-12-0500	5823281	1239886	11-62	3 305	20,537	4.28	880	6	17,460	3.69	645	5-69	42	535	.13	38	45
21-12-0500	6833004	1223243	10-65	3 303	23,067	3.55	818	9	17,633	3.69	651	12-69	42	947	-.03	30	49
21-12-0505	5929815	1221835	8-63	5 294	20,716	3.52	730	34	17,166	3.64	625	8-69	44	813	-.04	23	40
21-12-0505	6075213	1413472	1-64	4 291	21,785	4.25	925	22	17,680	3.72	658	3-69	35	655	.18	50	58
21-12-0505	6083355	1329588	12-63	4 305	21,640	3.60	778	31	17,268	3.71	640	12-69	44	809	-.03	25	42
21-12-0505	6803771	1348259	2-67	2 286	20,450	4.10	839	16	17,635	3.86	681	2-70	40	664	.05	31	43
21-12-0505	6967821	1360676	9-67	1 305	22,930	3.70	848	45	17,550								

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	OOD- LARS
21-12-0542	6186408	1417208	9-64	2 305	20,995	4.01	841	11 18,470	3.71	686	2-70	40	711	.05	33	\$ 46
21-12-0542	6258124	1049547	10-64	3 304	19,870	3.58	712	7 15,207	3.56	542	5-69	42	761	-.04	22	38
21-12-0542	6566440	1348259	8-65	3 305	23,533	3.79	892	15 16,460	3.68	605	10-69	42	1,172	.03	47	69
21-12-0543	5238859	1085978	4-60	7 301	19,221	3.58	688	19 14,211	3.67	521	12-68	44	1,072	-.03	34	56
21-12-0546	5271689	1179372	10-60	7 305	19,813	3.43	679	14 15,197	3.63	552	4-69	44	817	-.02	26	43
21-12-0546	6907662	1461551	8-66	2 305	22,845	3.65	833	19 16,615	3.61	599	11-69	25	822	.01	31	47
21-12-0546	7251996	1383311	11-67	1 305	26,390	2.84	749	18 17,440	3.68	641	12-69	36	937	-.13	15	37
21-12-0550	5730194	1239886	8-62	6 297	21,522	3.76	810	34 16,427	3.61	593	10-69	44	825	.06	38	53
21-12-0550	6490438	1221835	3-65	3 305	24,317	3.50	851	18 16,417	3.67	603	4-70	42	1,262	-.05	38	64
21-12-0550	6572094	1278644	8-65	3 305	21,930	3.56	781	43 17,693	3.70	655	10-69	42	896	-.07	22	42
21-12-0553	5523649	1085978	11-61	7 296	20,234	3.67	742	11 16,943	3.54	600	12-69	44	885	.00	32	50
21-12-0575	6030179	1085978	2-64	4 303	16,783	3.77	632	19 14,920	3.57	532	11-69	44	670	.01	25	38
21-12-0610	5806676	1222994	1-63	4 302	18,365	3.46	636	14 15,148	3.52	533	5-69	44	697	-.01	23	37
21-12-0610	6188189	1181572	7-64	3 305	20,853	3.43	716	17 15,660	3.47	544	5-69	42	836	-.04	24	42
21-12-0611	6715674	1278644	11-66	1 305	25,340	2.98	755	5 15,110	3.69	557	3-69	36	1,173	-.13	22	49
21-12-0611	7037097	1348259	10-67	1 305	21,510	3.52	758	12 17,300	3.53	611	1-70	36	702	.00	26	40
21-12-0613	5994165	1245520	2-63	5 300	22,490	3.46	779	15 16,166	3.69	597	1-70	44	1,092	-.07	29	52
21-12-0613	6385603	1239886	7-63	5 299	20,108	3.57	718	13 16,508	3.66	604	2-70	44	633	.01	25	37
21-12-0616	5469276	1085978	9-61	6 303	18,603	3.61	671	24 15,202	3.83	582	8-69	44	877	-.04	25	44
21-12-0616	7288132	1273756	9-67	1 305	18,290	3.83	700	20 15,500	3.79	587	11-69	36	575	.04	26	37
21-12-0666	5918537	1085978	6-63	4 305	16,783	3.47	582	10 13,425	3.55	476	3-70	44	836	-.03	25	42
21-12-0667	6101641	1278644	9-63	2 305	19,445	3.43	667	16 14,930	3.53	527	1-69	40	847	-.06	21	39
21-12-0667	6185288	1085978	10-64	2 305	16,840	3.82	643	11 14,720	3.55	523	3-69	40	676	.01	26	39
21-12-0669	5047499	1085978	1-60	9 300	19,133	3.96	758	26 17,538	3.63	637	11-69	44	674	.04	30	42
21-12-0669	5667331	1085978	9-61	5 302	19,862	4.30	854	25 17,818	3.66	653	1-69	44	735	.09	40	52
21-12-0669	5868940	1245520	4-62	5 302	22,154	3.59	795	42 17,632	3.66	645	10-69	44	879	-.05	25	44
21-12-0669	6415987	1085978	1-64	4 304	24,048	3.27	786	39 17,788	3.65	649	11-69	44	1,248	-.09	31	58
21-12-0669	6988612	1383311	12-66	1 305	24,130	3.47	838	37 17,340	3.51	609	8-69	36	775	-.03	24	40
21-12-0669	7204116	1458744	10-67	1 305	21,010	3.48	732	40 18,440	3.45	637	11-69	36	783	-.01	27	43
21-12-0701	5699311	1259069	12-62	5 302	22,188	3.27	726	21 16,194	3.65	591	2-70	44	948	-.10	20	41
21-12-0701	5897362	1245520	9-62	5 300	20,938	3.48	728	53 16,596	3.59	596	10-69	44	842	-.06	22	40
21-12-0701	6151278	1278644	10-63	3 305	19,900	3.59	714	52 15,943	3.61	576	10-68	42	843	-.05	23	41
21-12-0701	6324028	1085978	9-64	3 305	18,413	3.76	692	46 16,637	3.57	594	9-69	42	673	.00	25	38
21-12-0701	6324029	1085978	9-64	3 305	19,340	3.42	661	33 16,857	3.57	601	12-69	42	757	-.04	21	37
21-12-0701	6607073	1348259	9-65	2 305	21,415	3.44	736	55 17,510	3.58	627	10-69	40	774	-.01	26	42
21-12-0731	5929821	1085978	10-63	5 303	18,934	3.59	679	12 16,852	3.60	607	3-70	44	728	-.02	23	38
21-12-0736	6443636	1221835	8-65	2 300	19,780	3.51	695	40 16,180	3.42	554	9-69	40	725	-.01	24	39
21-12-0737	6416745	1348259	10-65	3 297	21,523	3.44	741	28 18,326	3.48	638	11-69	42	748	-.01	26	41
21-12-0737	6416746	1348259	11-65	3 304	23,116	3.23	747	32 18,360	3.48	639	10-69	42	928	-.04	27	46
21-12-0737	6544803	1348259	3-66	2 305	22,410	3.14	704	16 18,420	3.46	637	8-69	40	792	-.05	21	38
21-12-0737	6748148	1348259	12-66	2 305	22,185	3.23	716	25 18,585	3.50	651	11-69	40	754	-.04	21	37
21-12-0737	6748149	1348259	2-67	1 305	23,320	3.76	876	18 18,460	3.47	640	8-69	36	759	.04	33	47
21-12-0739	6168642	1389471	10-64	4 305	19,863	3.52	699	12 14,175	3.46	491	2-70	44	918	-.03	28	47
21-12-0739	6516928	1389471	2-66	2 305	19,595	3.56	697	13 13,920	3.48	485	11-69	40	801	-.03	25	42
21-12-0739	6640599	1348259	10-66	1 305	22,810	3.08	702	20 14,020	3.54	496	6-69	36	1,019	-.05	30	51
21-12-0751	6626696	1085978	9-66	2 295	24,770	3.33	824	8 20,140	3.53	711	10-69	40	986	-.06	27	48
21-12-0752	6093779	1085978	8-63	2 300	17,395	3.27	569	34 13,855	3.50	485	9-69	40	812	-.05	22	39
21-12-0754	5864319	1199324	5-63	4 288	18,957	3.79	718	33 15,352	3.60	553	9-69	44	916	.02	36	54
21-12-0754	6048099	1329588	1-64	3 286	22,153	3.73	826	40 18,350	3.60	660	3-70	42	722	.01	27	41
21-12-0754	6108508	1085978	4-64	4 292	21,025	3.61	760	36 17,858	3.62	647	3-70	44	867	-.02	28	46
21-12-0754	6142849	1239886	10-64	4 303	19,910	3.94	784	58 17,553	3.53	620	11-69	44	472	.10	31	38
21-12-0754	6195709	1085978	11-64	3 305	20,210	3.68	744	29 16,030	3.59	576	6-69	42	942	-.01	33	52
21-12-0754	6394622	1446272	10-65	2 305	23,440	3.69	865	38 17,855	3.62	647	3-69	30	837	.00	30	47
21-12-0765	6139041	1222994	10-64	3 299	22,640	3.34	757	6 18,070	3.64	658	2-69	42	864	-.06	23	42
21-12-0765	6628587	1278644	9-66	2 305	23,890	3.08	735	10 17,780	3.43	609	12-69	40	1,037	-.12	20	44
21-12-0765	6948376	1377691	7-67	1 305	24,130	3.49	842	17 17,860	3.45	616	10-69	36	720	-.02	23	38
21-12-0766	5245403	1085978	12-60	4 292	19,358	3.71	718	26 14,498	3.72	539	1-70	44	1,035	-.02	35	56
21-12-0766	5750497	1239886	1-63	4 305	19,288	3.87	746	24 15,590	3.63	566	12-69	44	614	.07	32	42
21-12-0803	6366351	1312008	9-65	3 305	22,863	3.81	871	17 18,120	3.44	624	4-70	42	703	.11	41	52
21-12-0819	5287721	1085978	1-61	6 305	21,065	3.35	706	11 16,900	3.69	623	1-70	44	997	-.07	25	47
21-12-0843	6627472	1261857	9-66	1 299	24,930	3.35	836	7 12,890	3.72	479	10-68 H	36	1,359	.03	53	79
21-12-0845	6583871	1348259	8-65	2 289	18,920	3.55	672	9 15,100	3.54	535	9-69	40	741	.00	27	42
21-12-0854	6214352	1085978	9-64	3 305	23,320	2.94	686	8 16,797	3.47	583	6-69	42	1,221	-.12	26	53
21-12-0859	6139509	1221835	8-63	3 303	21,640	3.74	810	11 16,867	3.84	647	2-69	42	908	-.03	29	48
21-12-0859	6261019	1085978	9-64	4 297	20,578	3.46	713	17 16,460	3.70	609	10-69	44	967	-.06	26	47
21-12-0859	6444770	1278644	8-65	3 305	21,420	3.41	731	15 16,147	3.64	587	7-69	42	997	-.08	24	46
21-12-0864	6222839	1312008	8-64	4 297	19,605	3.19	626	6 14,870	3.62	539	9-69	44	703	-.02	22	37
21-12-0870	5552938	1085978	11-61	2 305	19,170	3.83	735	16 13,765	3.67	505	9-68	40	1,000	.01	37	57
21-12-0870	6074349	1278644	1-64	2 305	17,875	3.58	640	17 13,230	3.69	488	9-69	40	843	-.06	22	40
21-12-0870	6911882	1360676	8-67	1 279	16,520	3.36	555	24 13,460	3.54	476	9-69	34	702	-.01	24	38
21-12-0875	5733779	1189870	8-62	4 301	19,008	4.00	761	15 15,293	3.62	554	4-69	44	692	.07</		

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS			
21-13-0013	6350327	1376031	7-65	3 305	19,906	4.44	884	35	16,946	3.78	641	11-69	32	468	.16	40	\$ 45
21-13-0013	6633970	1458744	9-66	1 305	21,250	3.68	781	41	17,600	3.94	694	12-68	36	857	-.03	27	45
21-13-0013	6842902	1458744	8-67	1 256	20,090	3.35	673	55	16,360	3.78	618	8-69	36	854	-.05	24	42
21-13-0020	4979697	1085978	8-59	8 303	18,966	3.66	694	26	16,835	3.74	630	1-70	44	734	-.03	22	37
21-13-0020	5609265	1085978	3-62	5 305	18,396	3.79	698	22	16,614	3.71	616	12-68	44	686	-.01	24	38
21-13-0020	6408316	1237057	8-65	3 296	21,310	3.44	732	33	16,667	3.79	631	10-69	42	852	-.09	18	37
21-13-0023	6756900	1478272	10-66	1 305	23,300	3.74	872	61	15,370	3.73	573	9-69	28	1,146	.02	44	66
21-13-0029	6100765	1415031	8-62	5 305	18,712	3.56	666	37	15,422	3.71	572	9-69	36	743	-.04	21	37
21-13-0029	6586392	1415031	8-64	4 305	18,620	3.97	740	40	16,145	3.63	586	2-70	35	619	.05	29	40
21-13-0029	6847028	1415031	8-65	2 305	24,010	3.03	727	39	16,070	3.59	577	12-68	30	1,218	-.12	25	52
21-13-0029	7186138	1261857	12-66	1 305	16,960	3.95	670	49	14,590	3.86	563	8-69	36	652	.08	35	46
21-13-0029	7199112	1261857	1-67	1 305	17,540	3.99	699	49	14,590	3.86	563	8-69	36	695	.08	37	49
21-13-0043	6562732	1430145	7-66	2 305	18,190	3.55	646	14	14,940	3.61	540	3-70	32	751	.00	27	42
21-13-0049	5801578	1240125	3-63	5 303	22,144	3.62	802	18	18,338	3.72	683	10-69	44	825	-.03	26	43
21-13-0049	6004541	1085978	8-63	5 305	22,638	3.46	784	16	18,580	3.69	685	12-69	44	1,005	-.06	27	48
21-13-0067	5558002	1085978	3-62	5 304	17,212	3.34	575	26	13,120	3.68	483	3-69	44	939	-.07	24	44
21-13-0067	5803107	1239886	11-62	4 305	17,333	3.55	616	31	12,798	3.73	478	8-69	44	683	.01	26	39
21-13-0067	6069237	1312008	2-64	4 305	18,612	3.46	644	30	12,570	3.64	458	2-70	44	836	.02	33	49
21-13-0067	6375458	1348259	4-65	3 293	16,566	3.66	606	34	12,653	3.68	465	10-69	42	765	.01	29	44
21-13-0068	6787682	1179372	12-65	1 305	19,450	3.78	735	8	12,970	3.65	473	10-69	36	710	.03	30	43
21-13-0068	6820707	1459843	7-66	2 305	18,645	3.99	744	9	14,035	3.90	548	3-70	25	585	.03	26	37
21-13-0102	6125525	1252934	9-64	4 300	20,898	3.81	797	32	16,738	3.73	625	1-70	44	698	.03	30	43
21-13-0102	6354225	1303502	3-65	2 305	23,365	2.99	698	36	15,660	3.72	582	10-68	40	912	-.11	17	38
21-13-0102	6504356	010250735	7-65	2 305	26,015	3.28	852	28	16,110	3.72	599	5-69	39	1,129	-.01	39	62
21-13-0116	6272986	1303502	3-65	3 303	20,396	3.46	706	14	15,433	3.49	539	3-70	42	697	-.01	24	38
21-13-0134	4833226	1192713	10-58	8 305	19,219	3.71	713	13	14,580	3.70	540	12-68	44	946	.01	35	54
21-13-0159	6184427	1393997	8-64	4 304	21,955	3.65	802	52	18,395	3.71	683	3-70	40	842	.02	33	49
21-13-0159	6191049	1420487	7-64	4 305	22,842	3.67	838	65	17,532	3.71	650	11-69	37	848	.02	34	50
21-13-0159	6220421	1222994	10-64	3 299	22,373	3.87	865	56	18,447	3.76	693	3-69	42	795	.02	32	47
21-13-0159	7006657	1347940	8-67	1 305	22,260	3.63	808	66	17,780	3.72	661	10-69	36	932	-.01	32	51
21-13-0166	6003887	1239886	12-62	5 305	19,208	4.08	783	15	17,168	3.58	614	1-70	44	440	.11	32	38
21-13-0236	6720050	1244009	12-66	1 305	21,320	3.74	797	23	15,010	4.06	610	6-69	36	944	-.05	26	46
21-13-0254	5747900	1085978	9-62	4 305	18,493	3.76	695	24	13,833	3.67	507	6-69	44	1,002	.00	36	56
21-13-0259	6675798	1430145	8-66	2 293	20,275	3.44	698	11	15,840	3.70	586	10-69	32	898	-.02	29	47
21-13-0264	5204940	1085978	12-60	3 305	20,527	3.57	732	19	15,190	3.70	562	6-69	42	1,066	-.04	33	55
21-13-0264	5661787	1085978	10-62	4 305	19,020	3.54	674	16	16,260	3.71	604	5-69	44	797	-.05	22	39
21-13-0264	6195269	1278644	11-64	3 302	20,497	3.62	742	15	15,230	3.70	563	6-69	42	986	-.05	28	49
21-13-0264	6372229	1393997	10-64	3 303	16,533	4.14	684	27	14,780	3.75	554	11-69	38	552	.08	32	41
21-13-0264	6372235	1393997	9-65	2 305	17,640	3.89	687	23	14,390	3.91	562	8-69	36	693	.03	30	43
21-13-0264	6444016	1393997	1-66	2 305	17,540	3.68	646	22	15,100	3.74	565	2-70	36	613	.02	25	37
21-13-0264	6480077	1416743	12-65	2 305	20,400	3.86	787	31	15,020	3.79	570	12-69	34	785	.04	34	49
21-13-0264	6487355	1393997	2-66	2 303	18,880	3.43	647	20	14,375	3.82	549	6-69	36	829	-.02	27	44
21-13-0264	6526940	1393997	4-66	1 305	19,640	3.39	666	28	14,540	3.89	565	11-69	31	777	-.01	26	42
21-13-0268	5451586	1309574	3-61	4 305	18,845	3.96	746	30	16,273	3.76	612	10-69	44	566	.07	30	40
21-13-0268	5679413	1154946	10-62	4 300	20,643	3.98	822	26	16,843	3.78	637	6-69	44	680	.02	27	40
21-13-0268	6431731	1244009	3-65	2 305	23,390	3.38	790	22	16,420	3.85	632	11-68	40	1,170	-.09	28	54
21-13-0268	6457302	1244009	2-65	3 305	22,473	3.51	789	28	16,353	3.79	619	10-69	42	1,154	-.07	31	56
21-13-0268	6930830	1261857	8-67	1 305	22,060	3.78	833	13	17,310	3.67	635	11-69	36	849	.08	42	57
21-13-0272	6382145	1348259	5-65	3 301	17,273	3.90	674	44	14,865	3.63	540	12-69	42	617	.05	29	40
21-13-0272	6545292	1332076	9-63	1 305	20,680	3.87	801	29	15,770	3.70	584	2-69	33	575	.05	28	38
21-13-0272	6806382	1430145	10-66	1 305	17,930	3.50	627	25	14,000	3.64	509	5-69	27	728	.00	26	40
21-13-0272	6806383	1430145	11-66	1 305	21,010	3.78	794	25	14,150	3.68	521	4-69	27	980	.02	39	58
21-13-0294	6135599	010260843	3-61	3 305	20,140	3.55	714	8	14,577	3.70	539	11-68	29	802	-.02	26	42
21-13-0297	4945455	1085978	7-59	5 305	19,052	3.84	731	15	15,984	3.72	594	2-69	44	844	.00	31	48
21-13-0297	6541857	1291498	1-66	2 305	21,660	3.57	774	38	16,005	3.66	585	11-69	40	754	-.04	22	38
21-13-0304	5609309	1179372	1-62	3 274	18,103	4.00	725	13	15,217	3.67	558	12-69	42	560	.06	29	39
21-13-0304	6386557	1393997	10-65	2 263	18,900	3.40	642	6	14,225	3.76	535	4-69	36	846	-.02	28	45
21-13-0325	6366807	1309574	11-63	3 302	19,060	4.04	770	14	15,777	3.78	597	10-69	42	623	.08	34	44
21-13-0325	6778896	1239242	9-66	2 305	20,105	3.52	708	16	15,665	3.82	598	9-69	40	735	-.04	21	37
21-13-0330	5346974	1256340	1-61	3 305	25,147	4.56	1147	26	16,203	3.83	621	5-69	37	1,342	.17	74	96
21-13-0330	5503720	1189870	12-61	3 305	19,620	4.25	834	36	16,297	3.79	618	12-69	42	631	.08	35	45
21-13-0330	5808284	1189870	1-63	3 305	21,080	4.21	888	37	15,633	3.84	601	10-69	42	868	.08	43	58
21-13-0330	6024343	1055021	8-63	5 305	26,690	3.34	892	41	19,156	3.64	697	2-70	41	1,351	-.10	34	63
21-13-0330	6686198	1458744	7-66	2 305	25,855	3.66	947	24	17,775	3.70	657	4-70	40	1,384	-.01	49	77
21-13-0331	6881406	1348259	3-67	1 305	16,420	3.78	621	64	12,180	3.63	442	9-69	36	666	.02	27	40
21-13-0339	4825016	1085978	8-58	8 303	20,240	3.68	745	32	16,959	3.82	647	4-70	44	884	-.03	27	45
21-13-0339	5655020	1382881	11-61	6 305	23,715	3.69	876	24	16,976	3.81	647	1-70	38	1,269	-.01	44	69
21-13-0339	5819873	1382881	11-62	4 305	21,692	3.56	773	37	16,695	3.77	630	8-69	37	983	-.04	30	50
21-13-0339	6539154	1428649	7-65	2 305	22,370	3.29	735	31	16,985	3.83	651	11-68	34	923	-.12	16	37
21-13-0339	6539171	1271810	10-65	2 305	25,295	3.26	824	37	17,470	3.81	666</						

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8) FAT (%) FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8) FAT (%) FAT (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8) FAT (%) FAT (L8)	I N O E X..... FAT (%) FAT (L8) OOL-LARS
21-13-0379	4621940	1004413	7-57	9 305 21,148 3.44 728	19 15,400 3.66 564	8-69 38	753 -.01 25 \$ 40	
21-13-0379	5552503	1347715	10-61	5 295 18,086 4.03 729	22 15,418 3.72 573	1-70 36	671 -.06 33 45	
21-13-0379	5667285	1085978	8-62	4 305 19,715 3.68 725	31 15,685 3.72 584	7-69 44	947 -.02 31 50	
21-13-0379	6136730	1393997	7-64	3 300 18,633 4.15 774	37 15,576 3.76 586	10-69 38	723 .09 40 52	
21-13-0379	6165808	1278644	10-64	4 303 20,565 3.39 698	29 16,168 3.78 611	1-70 44	927 -.10 18 39	
21-13-0379	6629861	1393997	8-66	1 305 22,590 3.26 737	24 14,940 3.72 556	6-69 31	985 -.02 32 52	
21-13-0379	6629862	1393997	8-66	2 297 18,440 3.98 733	19 16,115 3.83 618	1-70 36	611 .05 30 41	
21-13-0466	4126573	1185782	10-55	10 305 19,618 4.47 876	35 16,074 3.67 590	1-69 36	643 .21 54 62	
21-13-0466	5854342	1372729	4-63	5 304 20,078 4.00 804	30 17,196 3.70 636	8-69 36	570 .07 31 41	
21-13-0466	6032479	1416146	11-63	4 305 22,505 3.44 774	41 17,953 3.57 641	11-69 30	753 -.03 23 39	
21-13-0466	6116012	1254887	5-64	4 305 24,653 3.72 917	41 17,488 3.63 635	7-69 44	1,036 .02 40 60	
21-13-0466	6140036	1443113	10-64	4 302 23,590 2.98 702	43 18,037 3.61 652	1-70 35	1,188 -.18 15 43	
21-13-0466	6253587	1443113	11-64	3 305 22,543 3.47 782	34 18,156 3.67 667	3-70 33	981 -.08 23 45	
21-13-0466	6253590	1443113	12-64	3 305 23,473 3.31 777	36 17,303 3.68 637	5-69 33	1,208 -.12 26 53	
21-13-0466	6282717	1443113	3-65	3 305 22,806 3.22 734	32 17,426 3.67 639	8-69 33	1,104 -.13 20 45	
21-13-0466	6358484	1443113	6-65	3 305 20,796 3.98 827	31 17,416 3.69 643	7-69 33	836 .01 32 48	
21-13-0466	6358485	1443113	7-65	3 305 22,186 3.03 673	33 17,330 3.69 639	7-69 33	1,032 -.17 12 37	
21-13-0466	6358487	1443113	8-65	3 305 23,336 3.28 765	28 18,610 3.63 676	3-70 33	1,032 -.12 20 43	
21-13-0466	6469787	1443113	10-65	3 305 25,473 3.04 774	35 18,263 3.55 648	11-69 33	1,360 -.16 25 56	
21-13-0466	6469794	1443113	1-66	2 305 24,530 3.06 751	34 18,235 3.65 666	3-69 30	1,154 -.16 18 45	
21-13-0466	6614249	1443113	6-66	2 305 27,245 3.20 872	37 18,810 3.52 662	11-69 30	1,415 -.12 33 64	
21-13-0475	6017859	1085978	10-63	4 304 17,573 3.57 627	32 15,195 3.72 566	7-69 44	737 -.04 21 37	
21-13-0475	6457600	1222994	7-65	2 305 21,790 3.48 758	29 15,435 3.67 566	5-69 40	961 -.02 31 51	
21-13-0475	6726885	1348259	7-66	1 305 22,540 3.56 803	32 16,110 3.63 585	1-69 36	888 .00 31 48	
21-13-0499	5826717	010265607	8-60	4 305 17,362 3.84 666	25 14,510 3.80 551	12-69 38	709 .03 30 43	
21-13-0499	6302150	1428649	9-63	4 302 19,880 3.46 687	19 14,755 3.84 566	3-69 38	973 -.09 22 44	
21-13-0499	6750724	1479547	4-66	1 305 20,470 3.85 789	25 14,860 3.88 576	2-69 26	751 .01 29 44	
21-13-0499	6808121	1479547	1-65	3 305 16,936 4.07 690	19 14,290 3.81 544	10-69 34	580 .06 29 39	
21-13-0616	5452308	1134841	10-61	5 305 20,454 3.83 783	31 16,596 3.66 607	6-69 44	571 .06 29 39	
21-13-0616	6444119	1085978	12-65	2 305 19,870 3.62 720	28 16,925 3.72 630	6-69 40	782 -.03 24 40	
21-13-0616	7006321	1244009	10-67	1 305 20,790 4.15 862	28 17,250 3.74 645	11-69 36	754 .01 28 43	
21-13-0664	5759033	1154946	1-63	3 305 20,850 3.75 782	34 15,450 3.84 594	6-69 42	818 -.03 25 42	
21-13-0664	6099988	1239242	5-64	4 305 18,700 3.69 690	49 14,903 3.86 575	8-69 44	733 -.02 23 38	
21-13-0664	6414312	1273756	10-65	2 305 17,355 4.29 745	54 14,820 3.85 571	8-69 40	601 .08 34 44	
21-13-0674	5897927	1085978	6-63	4 303 18,835 3.60 679	19 15,335 3.76 577	11-69 44	877 -.04 26 44	
21-13-0745	6684497	1377954	9-66	2 305 18,530 3.52 652	20 14,585 3.62 528	1-70 40	756 .00 28 43	
21-13-0745	6965248	1475918	9-67	1 305 19,990 3.35 669	15 14,890 3.63 540	12-69 26	913 -.10 18 39	
21-13-0745	6965250	1261857	8-67	1 287 16,140 3.75 605	22 13,410 3.66 491	8-69 36	670 .07 35 46	
21-13-0770	5808088	1382881	3-63	5 302 20,260 3.28 664	33 15,948 3.52 562	1-70 38	905 -.06 24 43	
21-13-0770	5808089	1382881	4-63	4 305 19,787 3.41 675	41 15,767 3.55 560	9-69 37	836 -.03 25 42	
21-13-0770	5920877	1382881	10-63	4 305 19,187 3.36 644	36 15,497 3.53 547	1-70 37	787 -.04 23 40	
21-13-0770	5920879	1382881	11-63	3 305 20,053 3.41 684	37 16,240 3.51 570	1-69 36	787 -.03 24 40	
21-13-0770	6167289	1430145	9-64	2 305 20,620 3.62 747	37 16,160 3.50 566	1-69 32	904 .02 36 53	
21-13-0770	6167290	1430145	10-64	3 305 18,230 3.67 669	36 15,783 3.50 552	12-69 35	693 .03 30 43	
21-13-0770	6232411	1430145	1-65	3 305 21,620 3.33 721	30 15,940 3.44 549	3-70 35	1,116 -.02 37 60	
21-13-0770	6393210	1430145	7-65	3 304 18,760 3.37 633	36 15,743 3.49 549	11-69 35	767 -.01 26 41	
21-13-0770	6458060	1430145	11-65	2 305 19,505 3.38 659	39 14,915 3.51 523	12-69 32	905 -.01 31 49	
21-13-0770	6507071	1430145	7-65	2 301 17,115 3.62 620	44 14,405 3.56 513	8-69 32	683 .02 27 40	
21-13-0770	6507074	1430145	2-66	2 305 17,680 3.58 633	29 15,545 3.44 534	2-70 32	630 .02 26 38	
21-13-0770	6507076	1430145	3-66	1 305 19,190 3.44 660	34 16,370 3.52 576	11-68 27	653 .00 24 37	
21-13-0770	6675803	1430145	12-66	1 305 19,190 3.81 732	33 15,320 3.51 537	12-69 27	734 .04 33 46	
21-13-0770	6675804	1430145	12-66	1 305 20,090 3.28 659	27 15,470 3.48 539	1-70 27	799 -.02 26 42	
21-13-0770	6910073	1430145	5-67	1 305 19,030 3.80 724	37 15,020 3.54 532	11-69 27	743 .04 32 46	
21-13-0777	6555449	1386406	3-66	2 305 21,755 3.78 823	23 15,610 3.71 579	12-69 40	950 .03 38 56	
21-13-0777	6793190	1330987	1-67	1 305 18,960 3.68 697	18 14,900 3.70 552	4-69 36	654 .04 29 41	
21-13-0777	6793192	1330987	1-67	1 305 21,010 3.82 803	21 16,340 3.75 612	11-69 36	711 .05 33 46	
21-13-0777	6793193	1330987	1-67	1 305 18,930 3.34 633	18 14,900 3.70 552	4-69 36	652 .01 25 38	
21-13-0789	5332237	1085978	11-60	4 305 20,200 3.70 748	14 16,768 3.70 620	11-69 44	887 -.01 30 48	
21-13-0789	5332238	1085978	12-60	7 298 18,750 3.70 693	10 15,113 3.67 592	3-69 44	790 -.02 26 42	
21-13-0789	5662217	1240125	9-62	6 300 21,883 3.78 827	16 16,673 3.65 609	12-69 44	985 .02 38 57	
21-13-0789	5982990	1239886	9-63	4 298 20,443 3.72 760	14 16,080 3.59 578	7-69 44	702 .05 33 46	
21-13-0789	5982994	1085978	10-63	5 302 19,968 3.38 675	10 16,986 3.75 637	4-70 44	846 -.08 19 38	
21-13-0789	6485756	1348259	10-65	3 303 20,423 3.40 694	12 17,063 3.72 634	3-70 42	752 -.04 21 37	
21-13-0830	6227009	1244009	10-64	3 305 20,863 2.81 587	177 14,353 3.43 492	12-69 42	1,176 -.14 21 48	
21-13-0830	6439444	1291498	12-65	2 295 22,375 2.78 623	132 14,660 3.26 478	2-69 40	949 -.12 17 39	
21-13-0830	6706423	1475732	8-66	2 305 20,510 3.52 721	167 15,430 3.37 520	1-70 34	897 .00 32 50	
21-13-0830	6796876	1239242	11-66	2 305 17,945 4.26 764	147 15,710 3.34 524	2-70 40	512 .10 33 41	
21-13-0860	6813412	1348259	3-67	1 305 20,490 3.65 747	8 17,420 3.50 609	11-69 36	618 .02 25 37	
21-13-0915	5785595	1239886	12-62	5 305 21,928 3.55 778	16 18,622 3.60 670	12-69 44	622 .02 25 37	
21-13-0915	6428459	1278644	9-65	2 305 24,255 3.55 862	21 18,120 3.61 654	10-69 40	1,043 -.06 29 51	
21-13-0966	4087599	1192713	10-55	9 304 19,928 3.95 787	47 16,362 3.74 612	10-69 44	830 .04 36 51	
21-13-0966	5457144	1189870	10-61	4 305 16,780 4.32 725	66 14,820 3.72 552	12-69 44	470 .10 31 38	
21-13-0966	5946166	1302627	10-62	5 298 19,936 3.32 661	66 15,104 3.69 557	2-70 36	895 -.08 20 40	
21-13-0966	6152272	1085978	2-63	5 305 19,408 3.47 674	64 15,420 3.70 571	3-70 44	955 -.06 26 46	
21-13-0966	6975040	1387978	9-67	1 305 18,380 3.55 653	46 15,050 3.65 549	3-70 35	678 -.01 23 37	
21-14-0002	6318211	1085978	9-64	3 302 18,553 3.35 621	15 14,703 3.67 540	4-69 42	889 -.06 23 42	
21-14-0002	6391884	1312008	2-65	2 303 18,800 4.22 793	19 15,475 3.53 547	9-68 40	466 .14 37 43	
21-14-0021	5155792	1085978	8-60	8 303 17,050 3.98 679	16 15,039 3.54 533	4-70 44	695 .04 31 44	
21-14-0021	5370340	1085978	4-61	7 301 19,053 3.40 647	45 14,219 3.61 514	10-69 44	1,049 -.05 30 52	
21-14-0021	5967701	1085978	4-63	1 282 18,870 3.34 631	68 15,320 3.51 538	10-69 36	757 -.04 21 37	
21-14-0021	6239508	1239886	1-64	4 293 18,275 3.54 647	50 14,415 3.54 510	1-70 44	619 .03 26 38	
21-14-0021	6239516	1278644	10-64	3 305 20,520 3.19 654	78 13,780 3.53 487	9-69 42	1,139 -.11 25 50	
21-14-0021	6744071	1221835	6-66	2 303 18,715 3.35 627	70 14,595 3.55 518	10-69 40	762 -.04 21 37	
21-14-0021	6744073	1468932	7-66	2 305 21,205 3.21 681	66 14,730 3.54 521	1-70 36	963 -.08 23 44	
21-14-0021	6994377	1348259	11-67	1 305 21,190 3.69 781	22 16,890 3.52 594	3-70 36	706 .02 29 42	

TABLE 3. HOLSTEIN US0A-DHIA HIGH RANKING COWS (CONTINUEO).

LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..OOL- LARS	
21-14-0027	6048906	1085978	5-63	4 305	15,933	3.31	527	43	12,840	3.55	456	12-69	44	796	-.05	21	\$ 38
21-14-0027	6511198	1278644	1-66	2 305	17,110	3.75	641	51	13,260	3.56	472	12-69	40	762	-.03	23	39
21-14-0027	6581337	1348259	3-66	2 305	18,240	3.33	608	51	13,725	3.52	483	2-70	40	797	-.02	26	42
21-14-0027	6581338	1348259	5-66	2 305	18,630	3.68	686	54	13,250	3.55	471	12-69	40	880	.02	35	52
21-14-0027	6581342	1312008	7-66	2 304	17,040	3.79	645	41	13,055	3.55	464	10-69	40	509	.07	29	37
21-14-0027	6595072	1348259	6-66	1 305	15,390	4.20	646	27	12,050	3.49	420	4-69	36	598	.06	30	+0
21-14-0027	6801949	1221835	10-66	2 305	18,300	3.40	622	55	13,855	3.54	491	1-70	40	787	-.04	22	39
21-14-0034	5585024	1221835	2-62	4 305	25,340	4.13	1046	20	19,525	3.66	715	2-69	44	1,105	.08	52	72
21-14-0034	5610279	010233528	3-60	6 305	23,643	3.98	940	20	18,745	3.71	696	2-69	44	752	.04	33	47
21-14-0034	6401142	1389471	7-65	2 305	25,775	3.50	902	17	19,590	3.72	729	3-69	40	910	-.07	23	43
21-14-0034	6401145	1303198	8-65	3 298	25,553	3.21	819	22	20,060	3.60	723	8-69	42	875	-.08	20	39
21-14-0034	6664632	1249430	10-66	2 305	24,475	3.78	925	23	20,295	3.58	726	9-69	40	593	.05	28	39
21-14-0037	6103445	1252934	7-64	4 305	18,323	3.83	701	12	15,030	3.55	533	12-69	44	570	.05	28	38
21-14-0037	6741110	1348259	4-66	2 295	17,625	3.40	600	11	14,410	3.49	503	6-69	40	672	-.01	23	37
21-14-0041	5494692	1221835	8-61	3 305	21,810	3.09	675	26	16,427	3.52	578	2-69	42	973	-.09	21	43
21-14-0095	6466077	1348259	12-65	2 305	23,060	3.46	799	13	17,220	3.50	602	3-69	40	967	-.01	34	53
21-14-0110	5984472	1239886	9-63	3 300	19,683	3.67	723	11	15,813	3.57	565	5-69	42	607	.05	29	40
21-14-0110	6524904	1049547	5-65	4 305	22,518	3.19	719	24	15,763	3.61	569	2-70	44	1,061	-.12	21	45
21-14-0118	6773430	1389471	10-65	2 305	20,425	3.41	696	22	15,040	3.54	533	5-69	40	783	-.06	20	37
21-14-0127	5484746	1085978	10-61	7 305	18,957	3.57	676	32	16,704	3.44	575	8-69	44	748	-.01	26	41
21-14-0127	6692982	1348259	9-66	2 305	19,765	3.62	716	38	17,350	3.49	606	9-69	40	621	.02	26	38
21-14-0128	5944181	1085978	10-63	5 304	21,918	3.29	721	20	18,324	3.44	630	4-70	44	942	-.05	26	46
21-14-0128	6773421	1476679	11-66	1 264	26,730	3.00	803	30	18,880	3.43	648	11-68 H	31	1,047	-.11	22	45
21-14-0167	6900690	1348259	10-66	2 305	19,635	3.29	646	23	14,775	3.42	505	12-69	40	843	-.02	28	45
21-14-0168	6338113	1085978	9-64	4 296	17,728	3.51	623	24	15,095	3.45	521	9-69	44	767	-.02	25	41
21-14-0168	6338117	1272013	12-63	4 305	19,990	3.51	702	15	14,873	3.38	503	10-69	44	894	-.03	28	46
21-14-0168	6338118	1085978	9-64	3 305	17,003	3.76	640	22	15,367	3.37	518	1-69	42	642	.03	27	39
21-14-0182	6688581	1278644	8-66	2 304	19,455	3.07	598	14	14,055	3.41	479	7-69	40	927	-.10	18	39
21-14-0186	5959981	1085978	3-63	5 304	19,206	3.35	643	22	15,928	3.58	571	6-69	44	870	-.06	22	41
21-14-0186	6341483	1085978	8-63	3 305	20,670	4.13	854	32	15,757	3.54	558	4-69	42	1,024	.07	47	66
21-14-0186	6978142	1348259	4-66	1 305	20,850	3.95	824	36	16,080	3.54	569	2-69	36	735	.05	34	47
21-14-0186	6978143	1261857	3-67	1 301	20,360	4.22	860	25	16,000	3.55	568	12-69 8	36	810	.13	49	62
21-14-0193	5795302	1239886	9-62	4 303	18,688	3.68	688	19	15,078	3.59	541	11-69	44	597	.04	28	39
21-14-0193	5795308	1380409	11-62	4 303	19,015	4.22	802	17	15,420	3.51	541	12-69	40	569	.14	41	49
21-14-0193	6304808	1085978	1-64	3 305	17,300	3.83	663	13	14,427	3.64	525	11-68	42	774	.01	29	44
21-14-0197	5889253	1239886	6-63	4 305	18,110	4.25	769	48	15,773	3.42	540	11-69	44	448	.15	38	43
21-14-0197	6191567	1312008	9-64	3 235	20,650	3.32	686	46	14,933	3.48	519	10-68 8	42	778	.02	31	46
21-14-0197	6337715	1085978	2-64	4 301	18,488	3.61	667	28	15,450	3.48	538	3-70	44	822	.00	29	45
21-14-0197	6741112	1348259	11-66	1 305	23,740	2.72	645	59	15,790	3.48	550	1-70	36	969	-.09	22	43
21-14-0197	6932239	1347940	8-67	1 305	19,850	3.27	650	81	14,820	3.50	519	11-69	36	951	-.03	30	50
21-14-0197	6941132	1347940	8-67	1 301	18,450	3.42	631	64	13,710	3.49	478	7-69	36	921	-.01	31	50
21-14-0204	6284165	1221835	11-64	1 305	21,490	3.51	754	32	15,760	3.50	552	10-69	36	799	-.03	25	41
21-14-0204	6725337	1348259	12-66	2 305	21,080	3.26	688	32	16,270	3.60	586	12-69	40	853	-.04	25	43
21-14-0204	6800577	1348259	7-66	1 305	21,830	3.95	863	30	16,250	3.62	588	1-69	36	796	.04	35	50
21-14-0214	5279187	1085978	11-60	6 277	22,923	3.20	734	23	15,888	3.56	565	2-69 8	44	1,354	-.09	35	64
21-14-0219	6094128	1085978	3-64	3 302	17,333	3.38	586	14	13,807	3.55	490	10-68 8	42	842	-.04	24	42
21-14-0255	6224747	1330597	8-64	4 301	18,300	4.13	756	22	15,652	3.67	574	10-69	44	543	.06	28	37
21-14-0258	5772237	1239886	2-63	5 304	20,726	3.51	728	10	17,612	3.48	613	12-69	44	584	.03	26	37
21-14-0258	6071825	1239886	3-64	4 301	21,755	3.67	799	6	17,900	3.53	631	2-70	44	662	.06	32	44
21-14-0258	6184354	1239886	7-64	4 301	20,525	3.81	783	16	16,868	3.53	595	11-69	44	625	.08	34	44
21-14-0258	6465146	1348259	5-65	3 304	20,626	3.66	755	18	16,860	3.49	588	6-69	42	796	.03	33	48
21-14-0265	6033308	1303198	11-63	5 292	17,776	3.90	693	20	14,330	3.79	543	2-70	44	617	.03	27	38
21-14-0265	7384983	1387978	1-68	1 305	19,830	3.50	694	21	14,940	3.72	556	1-70	35	797	-.03	25	41
21-14-0282	6099453	1425454	1-64	3 305	17,833	3.10	552	19	12,520	3.49	437	7-69	32	849	-.07	21	39
21-14-0282	6099455	1425454	6-64	4 305	15,667	4.22	661	16	12,815	3.53	452	4-70	34	544	.11	36	44
21-14-0294	5679226	1354572	12-60	3 305	21,636	3.96	856	33	16,863	3.69	623	3-69	34	917	.05	40	57
21-14-0294	5898959	1354572	11-61	6 304	19,335	3.59	694	21	16,395	3.69	605	4-70	37	707	-.02	22	37
21-14-0294	6302834	1085978	1-65	3 305	18,800	3.52	661	38	16,457	3.65	601	10-69	42	736	-.04	21	37
21-14-0294	6395621	1278644	7-65	3 305	20,400	3.46	705	42	16,293	3.71	604	9-69	42	865	-.08	19	38
21-14-0294	6395629	1354572	9-65	2 305	25,455	3.62	922	22	17,345	3.69	640	2-69 H	32	1,238	-.02	42	67
21-14-0294	6511605	1348259	12-65	3 303	20,993	3.95	830	18	16,653	3.72	619	1-70	42	860	.05	38	54
21-14-0294	6718287	1348259	9-66	1 305	23,590	3.73	879	39	16,550	3.72	616	6-69	36	907	.02	35	53
21-14-0294	6718289	1348259	10-66	1 305	22,640	3.53	800	25	16,990	3.80	646	4-69	36	807	-.01	27	43
21-14-0299	6172919	1085978	8-64	3 305	19,180	3.44	660	62	15,383	3.46	532	9-69	42	891	-.03	28	46
21-14-0299	6263225	1085978	9-64	4 305	17,410	3.64	634	68	15,195	3.47	527	9-69	44	717	.00	26	40
21-14-0299	6862538	1239242	9-66	1 305	20,850	3.52	733	11	14,910	3.81	568	11-68	36	734	-.03	22	37
21-14-0314	6184367	1278644	10-64	3 305	18,373	3.58	657	20	15,510	3.39	526	9-69	42	713	-.03	22	37
21-14-0345	6972585	1458744	9-67	1 305	20,140	3.41	686	7	16,650	3.59	597	11-69	36	838	-.03	26	43
21-14-0348	6980871	1348259	9-67	1 305	24,830	3.21	797	6	14,060	3.57	502	3-70	36	1,167	-.04	36	60
21-14-0349	5713608	1330987	8-62	1 305	16,960	4.07	691	36	14,560	3.68							

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%) FAT (L8)	OOD- LARS			
21-14-0782	6137975	1240125	4-64	4 297	17,185	3.85	662	24	14,435	3.52	508	2-70 8	44	627	.04	28	\$ 40
21-14-0798	5672546	1085978	6-62	3 305	21,297	3.63	773	30	17,077	3.62	618	4-69	42	959	-.02	32	51
21-14-0798	6054854	1239886	2-64	4 305	22,748	3.46	787	17	17,153	3.66	627	7-69	44	867	.00	31	48
21-14-0798	6192890	1085978	9-64	4 294	20,625	3.48	718	22	18,200	3.61	657	11-69 H	44	780	-.04	22	39
21-14-0798	6452548	1348259	1-66	2 305	20,465	3.85	788	25	17,345	3.63	630	8-69	40	692	.04	31	44
21-14-0798	6661597	1348259	9-66	2 305	21,375	3.47	741	22	17,835	3.63	648	2-70	40	740	-.02	24	39
21-14-0798	6661598	1348259	9-66	2 305	21,200	3.68	781	27	17,960	3.60	647	11-69	40	711	.02	28	42
21-14-0798	6777447	1239242	1-67	1 305	22,780	3.91	891	18	18,220	3.77	686	1-69	36	656	.02	26	39
21-14-0878	6180391	1330597	8-64	4 305	21,507	3.67	789	19	17,187	3.65	627	3-70	44	768	-.01	26	42
21-14-0975	6379871	1348259	2-65	2 305	16,975	3.37	572	22	13,225	3.64	482	11-68	40	715	-.03	22	37
21-14-0975	6633246	1221835	7-66	2 305	15,835	3.92	621	18	12,910	3.57	461	3-70	40	623	.02	25	37
21-15-0012	5665563	1252934	5-62	5 304	18,104	4.10	742	33	15,884	3.51	558	8-69	44	459	.10	31	38
21-15-0012	5982378	1221835	9-63	4 305	19,023	3.47	661	27	15,600	3.51	548	5-69	44	761	-.03	23	39
21-15-0012	6088118	1239886	2-64	4 303	18,850	3.66	690	66	15,463	3.52	544	9-69	44	574	.05	28	38
21-15-0012	6187220	1239886	11-64	3 293	19,470	3.95	770	64	15,847	3.51	557	10-69	42	579	.10	35	44
21-15-0012	6342180	1085978	7-65	3 288	19,500	3.43	668	73	15,753	3.52	555	10-69	42	889	-.04	26	45
21-15-0012	6429190	1085978	9-65	1 305	22,670	3.69	837	41	16,080	3.42	550	2-69	36	989	.00	36	56
21-15-0269	6464915	1303021	1-66	2 305	21,110	3.71	783	34	14,760	3.73	551	10-69	30	773	.01	30	45
21-15-0301	5747219	1085978	1-63	3 305	20,237	3.79	767	11	17,497	3.61	632	9-68	42	794	.01	30	46
21-16-0027	5769607	1239886	3-63	5 305	16,912	3.77	638	14	13,690	3.46	474	3-70	44	548	.07	30	39
21-16-0027	6401110	1348259	8-65	3 294	19,203	3.22	619	19	14,196	3.42	486	9-69	42	909	-.03	28	47
21-16-0039	5574062	1240125	5-62	2 305	22,120	3.62	801	8	16,570	3.58	593	3-69	40	888	-.01	31	49
21-16-0079	6751574	1348259	3-66	2 305	19,505	3.34	651	10	15,785	3.45	545	12-69	40	738	-.02	24	39
21-16-0091	5563438	1085978	11-61	4 305	22,568	3.50	789	22	15,453	3.59	555	7-69	44	1,325	-.04	42	69
21-16-0091	6792567	1278644	12-66	1 305	21,940	3.55	779	29	14,200	3.66	520	9-69	36	981	-.06	26	47
21-16-0098	6607273	1348259	8-66	1 305	18,100	3.40	615	5	12,780	3.42	437	3-69	36	751	.00	27	42
21-16-0108	6397003	1406271	7-65	1 305	18,280	3.37	616	18	15,830	3.71	588	3-69	36	655	.00	24	37
21-16-0108	6520132	010247136	9-61	3 305	20,093	4.09	822	19	15,360	3.60	553	2-69	32	822	.09	43	57
21-16-0120	5890191	1085978	10-63	3 301	18,413	3.28	604	22	15,113	3.58	541	9-69	42	831	-.07	20	38
21-16-0120	6371204	1085978	9-65	3 245	18,140	3.72	675	16	15,840	3.66	580	3-70	42	724	-.01	25	40
21-16-0121	5395290	010245252	10-56	7 305	21,465	4.41	946	27	15,055	3.43	516	10-69	38	995	.22	69	83
21-16-0121	6615798	1329588	3-65	3 302	23,037	2.90	668	29	15,133	3.40	514	9-69	42	1,156	-.12	24	50
21-16-0173	5812696	1239886	2-63	5 305	22,432	3.53	792	30	15,732	3.49	549	1-70	44	1,023	.03	41	61
21-16-0173	6160067	1330987	10-64	3 305	19,333	4.11	794	60	16,260	3.49	567	3-70	42	693	.12	43	54
21-16-0188	6209521	1245520	8-64	2 305	19,380	3.92	759	7	15,100	3.69	557	4-69	40	712	.00	25	39
21-16-0195	5792171	010275932	3-63	5 299	15,662	4.16	651	11	12,790	3.60	460	8-69	44	482	.09	30	37
21-16-0200	5237312	1085978	12-60	3 293	15,963	3.48	556	9	13,320	3.46	461	2-69	42	735	-.02	23	38
21-16-0205	7030508	1348259	7-67	1 305	21,080	3.35	707	15	15,860	3.42	543	12-69	36	766	.00	27	42
21-16-0381	6571839	1348259	3-66	2 260	21,385	3.77	807	25	17,760	3.69	656	11-69	40	748	.02	30	44
21-16-0389	6847142	1458744	2-67	1 305	16,900	3.76	635	21	12,610	3.51	443	1-70	36	868	.01	33	50
21-16-0610	4739357	1085978	9-58	3 305	20,433	3.46	708	18	15,053	3.49	526	2-69	42	1,069	-.03	34	56
21-16-0610	5732729	1085978	8-62	5 299	16,814	3.55	597	13	14,694	3.46	509	5-69	44	705	-.01	24	38
21-16-0610	6059797	1085978	4-64	4 301	19,125	3.64	696	22	15,620	3.52	550	12-69	44	881	-.01	31	49
21-18-0010	5744526	1085978	5-62	5 299	20,334	3.22	654	42	16,102	3.43	553	12-68	44	996	-.07	26	47
21-18-0010	6359125	1221835	5-65	3 305	22,413	3.52	789	29	15,747	3.38	533	6-69	42	1,113	-.01	39	61
21-18-0010	6459554	1239886	9-65	2 305	23,020	2.88	664	36	16,485	3.40	560	5-69	40	834	-.06	21	39
21-18-0010	6686668	1348259	1-66	3 297	19,536	3.46	675	48	17,113	3.38	578	11-69	42	645	.01	25	37
21-18-0010	6686669	1348259	2-66	2 305	20,965	3.37	706	36	17,145	3.35	574	4-69	40	761	.00	27	42
21-18-0011	5967847	1272013	8-63	5 301	19,594	3.53	691	8	15,832	3.47	550	9-69	44	757	-.04	22	38
21-18-0011	6657716	1348259	9-66	2 305	20,295	3.52	715	13	16,965	3.39	575	9-69	40	710	.02	28	42
21-18-0012	6457273	1237057	9-65	2 305	22,720	3.48	790	20	17,780	3.54	629	1-70	40	837	-.05	23	41
21-18-0035	6681556	1348259	8-66	2 305	17,225	3.71	639	43	14,110	3.47	489	11-69	40	659	.03	28	40
21-18-0103	6245470	1312008	10-64	2 295	21,470	3.12	670	18	15,665	3.41	534	9-68	40	720	-.01	25	39
21-18-0106	5172760	1085978	10-60	7 305	19,331	3.70	716	9	15,954	3.57	569	7-69	44	893	.00	32	49
21-18-0106	5681920	1085978	8-62	5 302	21,756	3.47	754	11	16,300	3.60	587	2-69	44	1,156	-.04	35	59
21-18-0106	6053277	1085978	11-63	4 304	21,110	3.75	791	12	15,833	3.63	574	10-68	44	1,103	.00	40	62
21-18-0106	6186476	1278644	12-64	3 299	21,207	3.53	748	13	16,250	3.54	575	3-69	42	962	-.05	27	47
21-18-0106	6277760	1085978	10-64	3 305	19,173	3.18	609	10	15,613	3.47	541	7-69	42	866	-.07	21	40
21-18-0126	6283751	1085978	11-64	3 305	17,877	3.18	568	14	15,000	3.37	505	5-69	42	781	-.06	20	37
21-18-0126	6593509	1348259	2-66	2 305	21,760	3.03	659	21	15,085	3.33	503	11-69	40	1,030	-.05	29	51
21-18-0126	7026100	1348259	8-66	2 299	19,655	3.16	621	17	15,850	3.38	535	3-70	40	747	-.03	22	38
21-18-0212	6987046	1278644	11-67	1 305	17,820	3.42	609	25	12,730	3.30	420	12-69	36	772	-.05	20	37
21-18-0212	7035283	1450985	11-67	1 305	20,850	3.11	649	20	11,260	3.40	383	10-69	24	1,026	-.07	27	49
21-18-0232	5979515	1085978	8-63	4 287	19,160	3.08	591	41	15,778	3.55	560	9-69	44	868	-.10	17	37
21-18-0232	5979524	1179372	9-63	2 305	21,250	3.47	738	30	15,840	3.44	545	2-69	40	789	.00	29	45
21-18-0232	6494017	1348259	11-65	2 305	19,050	3.30	628	39	15,510	3.55	550	10-69	40	716	-.03	22	37
21-18-0232	6957964	1450985	9-67	1 305	22,410	3.31	742	36	15,540	3.55	551	10-69	24	822	-.05	22	40
21-18-0276	6585729	1085978	9-64	3 305	21,723	3.19	692	39	16,023	3.43	549	1-70	42	1,117	-.07	30	54
21-18-0276	6789560	1458744	10-66	1 305	21,030	3.33	700	23	15,230	3.44	524	9-69	36	1,000	-.03	32	53
21-18-0281	6558259	1348259	3-66	2 294	20,505	3.48	714	10	15,610	3.37	526	8-69	40	8			

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C MO-YR D	.....C O W REPT MILK (%) (L8)	I N D E X..... FAT FAT (%) (L8)	DOL- LARS
21-18-0463	5313272	1085978	10-60	6 293 18,753 3.51 658	18 14,397 3.59 517	9-69	44 990	-.03 31	\$ 51
21-18-0463	6792790	1348259	9-66	1 305 21,450 3.34 717	26 15,450 3.40 526	12-68	36 821	-.00 29	45
21-18-0478	6553403	1085978	10-64	1 292 19,060 3.13 596	68 14,740 3.34 493	10-69	36 810	-.06 21	38
21-18-0478	6553404	1278644	10-64	3 305 19,940 2.84 566	31 14,667 3.41 500	12-69	42 980	-.14 14	37
21-18-0478	6553407	1348259	1-66	2 297 19,940 3.18 634	44 14,350 3.39 487	11-69	40 913	-.03 28	47
21-18-0647	6308959	1348259	3-65	3 305 17,856 3.61 645	36 15,233 3.49 531	7-69	42 646	.02 26	38
21-18-0647	6394664	1221835	5-65	3 295 18,200 3.55 647	43 15,063 3.46 521	6-69	42 699	-.02 23	37
21-18-0649	5751325	1239886	11-62	4 303 18,450 3.36 620	19 13,248 3.40 450	4-69	44 771	.01 30	45
21-18-0756	6745895	1222994	6-65	2 305 17,050 3.17 541	23 11,855 3.48 412	9-69	40 807	-.04 23	40
21-18-0893	6407468	1245520	1-65	3 279 22,956 2.96 679	46 16,363 3.39 554	10-68	42 1,043	-.12 19	43
21-18-0893	6416283	1348259	9-65	2 305 21,300 3.21 683	42 16,440 3.38 556	10-68	40 860	-.03 27	45
21-18-0965	6020757	1085978	4-63	5 305 19,788 3.25 643	11 16,504 3.50 578	3-70	44 878	-.07 22	41
21-18-0965	6650123	1199324	5-63	4 305 17,175 3.27 561	14 13,687 3.57 488	4-70	44 881	-.05 24	43
21-19-0007	6571846	1278644	5-66	2 305 20,490 3.59 736	14 15,920 3.56 567	7-69	40 862	-.05 24	42
21-19-0024	5989330	1085978	9-62	5 303 19,900 3.40 677	18 17,180 3.46 594	11-68	44 814	-.04 24	41
21-19-0024	6366951	1278644	5-65	2 242 21,295 3.37 717	27 16,900 3.46 584	5-69 8	40 854	-.07 21	40
21-19-0024	6440909	1348259	8-65	3 305 19,990 3.20 639	20 16,156 3.49 564	2-70	42 796	-.05 22	39
21-19-0024	6893628	1486235	12-66	2 282 21,510 3.57 768	16 15,880 3.42 543	2-70	29 855	.01 33	50
21-19-0028	6298127	1348259	3-65	3 221 21,690 3.24 703	12 17,673 3.41 603	8-69 8	42 835	-.03 25	42
21-19-0067	6333452	1244845	9-64	4 296 19,733 3.59 708	22 12,493 3.52 440	11-69	44 1,091	-.02 36	58
21-19-0103	5748238	1221835	9-62	5 251 22,360 3.49 780	14 16,830 3.61 607	10-69 8	44 1,064	-.04 32	54
21-19-0103	5802439	1085978	3-63	4 303 21,148 3.79 802	14 16,878 3.55 599	12-68	44 991	.02 39	58
21-19-0104	6649566	1360676	8-66	2 292 16,255 3.48 565	16 13,845 3.45 477	1-70	38 691	.01 26	40
21-19-0115	5908394	1340669	11-63	3 305 20,150 3.50 705	21 13,713 3.58 491	6-69	42 988	-.08 23	45
21-19-0115	6825161	1470607	5-67	1 305 19,800 3.64 721	32 14,070 3.62 510	6-69	24 690	.00 25	39
21-19-0120	5898340	1085978	4-63	2 305 23,895 3.41 816	8 17,270 3.42 591	10-69	40 1,159	-.03 37	61
21-19-0120	6967417	1348259	6-67	1 305 23,910 3.07 733	11 18,480 3.23 596	7-69	36 802	-.03 25	42
21-19-0866	4671136	1085978	9-58	8 269 17,960 3.67 659	9 15,825 3.49 552	9-69 8	44 721	.01 27	41
21-20-0002	6801093	1261857	10-66	2 305 16,570 3.43 569	20 13,960 3.40 475	2-70	40 707	.06 34	47
21-20-0002	6801094	1261857	12-66	2 305 16,140 3.48 561	23 13,785 3.42 472	2-70	40 679	.06 33	45
21-20-0002	6832027	1261857	11-66	1 305 16,120 3.79 611	18 13,650 3.44 469	3-70	36 652	.09 37	48
21-20-0002	6832028	1261857	6-67	1 305 16,430 3.94 648	22 13,460 3.45 465	2-70	36 688	.10 40	51
21-20-0003	6728407	1278644	10-66	2 297 21,590 3.56 768	15 17,550 3.46 608	1-70	40 825	-.04 24	41
21-20-0009	5756864	1085978	10-61	6 302 17,987 3.77 678	20 15,582 3.48 543	10-69	44 753	.02 30	44
21-20-0029	6258662	1417208	1-65	3 301 18,890 3.50 661	10 15,323 3.62 554	12-69	42 821	-.01 28	45
21-20-0030	6186176	1085978	9-64	3 305 19,817 3.44 681	12 15,473 3.61 559	2-69	42 955	-.05 27	47
21-20-0051	5660057	1221835	9-62	5 304 18,840 3.76 709	22 15,752 3.66 576	11-68	44 735	.00 26	41
21-20-0059	5112872	1112211	3-60	7 290 18,009 3.18 572	17 13,729 3.55 488	2-70 8	44 918	-.09 20	40
21-20-0063	5576623	1085978	2-62	6 305 17,667 3.28 579	34 14,748 3.57 527	2-70	44 809	-.07 19	37
21-20-0063	6628427	1348259	4-66	2 305 17,740 3.87 687	30 15,275 3.50 535	2-70	40 605	.05 29	40
21-20-0064	6938072	1261857	7-67	1 305 25,420 2.88 732	33 17,080 3.50 597	1-70	36 1,115	-.02 37	60
21-20-0064	6938073	1330987	7-67	1 305 20,630 3.63 749	20 18,130 3.40 616	2-70	36 562	.06 29	39
21-20-0088	5299146	1085978	11-60	4 301 22,985 3.54 814	18 17,963 3.52 632	3-70	44 1,098	-.02 36	58
21-20-0088	5882656	1112211	4-63	4 299 20,390 3.33 680	19 15,983 3.57 571	8-69	44 942	-.07 24	44
21-20-0088	6278917	1221835	9-64	4 305 26,270 3.16 829	17 17,398 3.57 621	2-70	44 1,456	-.11 36	68
21-20-0088	7002410	1348259	8-67	1 305 22,870 3.88 888	29 17,430 3.47 604	10-69	36 795	.05 36	51
21-20-0093	6513622	1285709	10-65	1 305 22,810 3.63 829	19 14,180 3.53 500	9-68	36 807	-.01 27	43
21-20-0104	5766271	1085978	8-62	1 305 16,390 3.86 633	25 11,500 3.52 405	8-69	36 828	.00 30	46
21-20-0104	5818455	1392003	3-63	3 298 18,246 3.92 715	33 13,500 3.56 480	10-69	33 613	.07 33	43
21-20-0126	6396109	1085978	6-65	1 305 18,410 3.74 689	15 13,810 3.48 481	1-69	36 824	.00 29	45
21-20-0161	6902129	1348259	8-67	1 305 19,950 3.35 668	20 15,290 3.41 521	9-69	36 720	-.01 25	39
21-20-0173	6042913	1278644	10-63	3 305 20,903 3.41 713	36 16,000 3.52 563	1-69	42 953	-.07 24	45
21-20-0173	6599285	1348259	7-65	3 304 20,090 3.28 658	42 16,713 3.43 574	2-70	42 750	-.03 23	39
21-20-0192	5302237	1085978	2-61	6 305 25,238 3.16 797	29 16,007 3.50 560	2-69	44 1,639	-.10 44	79
21-20-0192	5462507	1085978	7-61	6 305 19,120 3.61 691	27 16,623 3.50 582	8-69	44 778	-.01 27	43
21-20-0192	5765946	1282185	10-62	6 302 20,796 3.45 717	25 16,150 3.50 565	11-69	44 711	-.02 22	37
21-20-0192	6784155	1237057	11-66	2 305 21,800 3.41 743	21 16,350 3.58 585	3-70	40 874	-.06 22	41
21-20-0200	5678297	1085978	5-62	5 305 19,172 3.27 626	9 14,418 3.47 500	8-69	44 1,041	-.06 29	51
21-20-0200	6865783	1085978	9-65	3 301 17,093 3.44 588	9 14,393 3.57 514	8-69	42 753	-.04 21	37
21-20-0204	6096958	1239886	1-64	1 299 22,880 3.47 794	31 16,740 3.43 575	11-69	36 633	.03 27	39
21-20-0204	6508403	1348259	9-65	1 305 20,340 3.42 696	27 16,380 3.39 556	10-69	36 676	.00 25	38
21-20-0204	6551206	1348259	4-66	1 287 21,330 3.41 728	25 16,660 3.43 572	11-69	36 731	.00 26	41
21-20-0212	6529041	1348259	1-66	1 305 21,130 3.62 765	31 17,280 3.67 634	12-68	36 675	.00 25	38
21-20-0219	6109788	1085978	2-64	4 304 19,198 3.50 672	15 17,578 3.31 582	9-69	44 673	.00 24	37
21-20-0228	5631884	1199324	7-62	1 305 21,750 3.27 711	15 16,220 3.37 547	1-70	36 940	-.03 29	48
21-20-0256	5740896	1049547	9-62	6 296 22,655 3.03 686	32 16,810 3.60 605	12-69	44 993	-.15 13	37
21-20-0256	5818620	1085978	11-62	3 305 21,663 3.01 652	23 17,787 3.51 624	2-69	42 928	-.11 17	38
21-20-0256	5949529	1262609	8-63	3 305 20,627 3.31 683	19 16,577 3.55 588	4-69	41 901	-.08 21	41
21-20-0256	5949534	1239886	10-63	3 305 22,937 3.70 849	20 16,720 3.61 603	4-70	42 887	.05 39	55
21-20-0256	6259515	1085978	12-64	3 305 19,437 3.88 754	20 16,547 3.63 600	8-69	42 800	.02 32	47
21-20-0283	5473183	1085978	11-61	6 304 18,257 3.51 640	24 15,708 3.53 554	3-70	44 773	-.03 24	40
21-20-0283	6693308	1242163	10-66	2 263 22,315 3.25 726	34 15,920 3.61 574	11-69 H	40 1,046	-.17 12	37
21-20-0319	5555704	1322069	12-61	5 299 19,754 3.77 745	16 14,344 3.58 514	11-68	44 724	.04 32	45
21-20-0383	6271483	1348259	3-65	3 285 18,273 3.63 664	20 14,483 3.76 545	11-69	42 772	-.01 27	42
21-20-0536	5594700	1085978	2-62	6 305 21,062 3.47 730	19 17,147 3.41 585	3-70	44 968	-.02 32	52
21-20-0536	5857203	1085978	4-63	4 303 22,153 3.22 713	22 17,050 3.39 578	10-68	44 1,096	-.06 30	53
21-20-0536	6109443	1085978	2-64	4 305 18,673 3.68 688	19 17,115 3.44 588	9-69	44 659	.02 26	39
21-20-0536	6306191	1085978	1-65	3 300 23,810 3.37 802	20 17,833 3.43 612	12-69	42 1,170	-.04 36	60
21-20-0536	6346867	1085978	4-65	3 305 21,823 3.34 728	28 17,657 3.41 602	10-69	42 960	-.04 28	48
21-20-0583	5304825	1010936	3-61	3 301 19,997 3.50 699	45 14,270 3.57 510	10-68	42 845	.01 32	48
21-20-0583	6681122	1288534	7-66	2 305 20,725 3.59 745	36 15,025 3.58 538	11-69	40 731	.01 28	42
21-20-0615	5441277	1189870	9-61	5 304 21,838 3.30 721	35 14,538 3.54 514	1-70	44 1,163	-.05 35	59
21-20-0615	5974565	1298303	3-63	4 296 20,047 3.66 734	31 14,972 3.59 537	3-69	35 675	.01 26	39
21-20-0615	6524207	1189870	8-63	4 298 17,398 3.87 674	29 13,730 3.57 490	9-69	44 667	.05 31	43
21-20-0652	5931159	1199324	10-63	4 279 18,012 3.33 600	66 13,925 3.60 501	3-69 8	44 958	-.05 27	47

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C REPT	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	..OOL- LARS
21-20-0654	6147584	1085978	9-64	4 294	21,073	3.28	691	28 16,965	3.53	599	11-69	44	972	-.07	25	\$ 46
21-20-0654	6234647	1329588	8-64	2 305	22,225	3.45	766	26 17,850	3.36	600	1-70	40	726	-.01	24	39
21-20-0654	6396923	1085978	4-65	2 272	19,445	3.55	691	20 17,090	3.39	580	5-69	40	724	-.01	25	40
21-20-0654	6859328	1348259	8-66	2 298	20,275	3.65	741	29 17,980	3.38	608	12-69	40	615	.04	28	39
21-20-0660	6483848	1278644	10-65	3 301	22,340	3.26	728	50 18,017	3.66	659	11-69	42	909	-.11	16	37
21-20-0802	5870222	1239886	8-63	4 300	18,065	3.91	706	11 15,313	3.57	547	4-69	44	494	.08	30	38
21-20-0802	6881221	1348259	8-67	1 302	18,210	3.34	608	12 14,020	3.52	493	9-69	36	676	-.01	23	37
21-20-0913	6935542	1348259	3-67	1 305	21,340	3.31	706	23 16,370	3.56	582	9-69	36	752	-.02	24	39
21-20-0981	6684466	1482189	11-66	1 305	19,570	3.35	656	27 13,890	3.67	510	8-69	31	774	-.04	22	38
21-21-0048	6209699	1222994	11-64	4 290	19,603	3.47	681	17 16,645	3.40	566	2-70	44	683	.00	25	38
21-21-0048	6284231	1175471	3-65	3 223	19,993	3.61	721	17 15,833	3.60	570	7-69	42	631	.04	28	40
21-21-0048	7006503	1458744	9-67	1 297	19,510	3.71	724	15 17,320	3.49	605	2-70	36	747	.01	28	43
21-21-0057	6485281	1457218	9-65	3 303	18,903	3.62	684	29 14,060	3.45	485	4-70	32	737	.04	32	46
21-21-0057	7025728	1377954	8-67	1 305	19,020	3.41	649	41 14,400	3.46	498	3-70	36	719	.01	27	41
21-21-0064	5903675	1085978	10-63	4 277	16,753	3.55	595	28 14,538	3.56	518	3-69	44	709	-.02	22	37
21-21-0064	6424971	1278644	8-65	3 305	19,783	3.38	668	18 15,807	3.60	569	3-70	42	844	-.08	18	37
21-21-0092	5374391	1085978	2-61	5 301	20,000	3.64	728	15 14,388	3.57	514	1-69	44	1,152	-.01	40	63
21-21-0092	6181509	1085978	9-64	3 302	17,653	3.59	633	11 14,510	3.60	522	2-70	42	806	-.02	26	42
21-21-0092	6192329	1085978	10-64	1 305	18,630	3.37	628	8 14,730	3.51	517	2-70	36	779	-.04	22	38
21-21-0094	6348047	1085978	4-65	3 305	18,963	3.53	670	18 14,173	3.56	504	7-69	42	991	-.03	32	52
21-21-0094	6348049	1085978	8-65	3 299	17,840	3.47	619	30 15,093	3.56	537	1-70	42	767	-.03	23	39
21-21-0103	5068296	1010936	3-60	8 300	20,083	3.55	712	24 15,524	3.65	567	1-70	44	784	.00	29	44
21-21-0103	5338553	1244845	1-61	3 299	20,947	3.73	782	20 15,887	3.71	589	11-68	42	825	-.02	27	44
21-21-0103	6692736	1348259	12-66	1 305	24,500	3.39	830	14 16,150	3.57	577	8-69	36	1,002	-.01	34	54
21-21-0111	6294458	1085978	11-64	3 305	20,920	3.60	754	24 15,220	3.62	551	9-69	42	1,108	-.02	37	59
21-21-0111	6318907	1239886	1-65	4 305	19,198	3.52	676	24 15,280	3.65	558	11-69	44	637	.01	25	37
21-21-0111	6824295	1348259	12-65	3 299	19,456	3.30	642	31 15,156	3.69	559	10-69	42	838	-.05	23	41
21-21-0111	6840152	1348259	10-65	3 305	18,513	4.01	742	29 15,146	3.68	557	12-69	42	731	.06	35	48
21-21-0114	5754073	1085978	1-63	5 305	17,914	3.94	705	22 14,274	3.55	507	9-69	44	896	.04	38	55
21-21-0114	6329739	1278644	3-65	3 297	18,223	3.45	628	27 14,100	3.51	495	7-69	42	841	-.06	21	39
21-21-0114	6451477	1312008	4-64	3 305	18,680	3.51	655	21 14,046	3.50	492	10-68	42	643	.05	30	42
21-21-0114	6579709	1221835	9-65	3 296	18,663	3.31	617	18 13,943	3.59	501	11-69	42	868	-.06	22	41
21-21-0148	4936384	1085978	5-58	7 304	17,187	3.56	611	21 14,484	3.60	521	10-69	44	777	-.03	24	40
21-21-0148	6222869	1239886	3-63	3 305	17,617	3.60	634	20 13,713	3.57	489	6-69	42	587	.03	26	37
21-21-0151	6251356	1239886	1-65	3 305	19,113	3.62	692	20 14,137	3.61	511	6-69	42	715	.04	31	44
21-21-0151	6295673	1085978	10-64	4 301	18,160	3.62	657	35 15,173	3.71	563	2-70	44	812	-.03	25	42
21-21-0151	6365495	1348259	9-66	2 305	18,400	3.45	635	19 14,715	3.65	537	7-69	40	723	-.01	24	39
21-21-0151	6651921	1221835	6-66	2 305	20,835	3.44	717	33 15,685	3.73	585	11-69	40	877	-.06	23	42
21-21-0239	6316914	1389471	3-65	3 305	18,290	3.93	719	22 14,387	3.71	534	10-69	42	672	.00	24	37
21-21-0239	6858358	1239242	2-66	2 305	22,865	3.07	703	23 14,195	3.74	531	10-69	40	1,150	-.10	27	52
21-21-0239	6858363	1348259	9-66	2 305	19,265	3.25	627	23 14,805	3.69	546	12-69	40	803	-.05	22	39
21-21-0245	5734559	1180488	12-62	3 305	19,557	3.78	740	30 15,723	3.53	555	2-69	38	524	.06	28	37
21-21-0245	5761461	1199324	6-62	2 302	19,440	3.41	663	22 16,740	3.43	574	10-68	40	783	-.02	25	41
21-21-0246	6291534	1085978	2-65	1 162	16,800	3.45	579	13 12,720	3.46	440	2-70	36	777	-.03	24	40
21-21-0248	5798070	1390929	3-63	4 294	18,320	4.01	735	33 15,290	3.68	563	10-68	33	553	.08	32	41
21-21-0248	5914339	1405957	10-63	4 283	17,007	4.31	733	26 15,382	3.71	570	10-69	34	548	.11	35	43
21-21-0248	5914341	1405957	10-63	4 304	19,745	3.58	706	23 14,902	3.70	552	7-69	34	1,006	-.02	33	53
21-21-0248	5924358	1405957	11-63	4 303	20,420	3.43	700	24 15,145	3.70	560	8-69	34	1,072	-.05	31	54
21-21-0248	6030943	1405957	1-64	4 305	18,775	3.73	700	32 15,155	3.65	553	1-70	34	833	.01	32	48
21-21-0248	6088634	1405957	1-64	4 296	18,470	3.61	666	23 14,910	3.69	550	5-69	34	821	-.01	28	45
21-21-0248	6093515	1405957	3-64	4 302	20,042	3.93	787	29 15,917	3.64	579	1-70	34	917	.05	41	58
21-21-0248	6093516	1405957	3-64	4 305	20,077	3.54	711	33 15,087	3.65	551	1-70	34	1,030	-.02	34	55
21-21-0248	6112511	1405957	4-64	4 293	20,482	3.44	705	32 15,815	3.64	576	1-70	34	994	-.04	30	51
21-21-0248	6158850	1405957	8-64	3 290	18,973	3.83	726	30 15,116	3.74	566	7-69	32	834	.02	33	49
21-21-0248	7014204	1387978	12-67	1 305	21,090	3.30	696	40 17,050	3.51	599	3-70	35	748	-.03	22	38
21-21-0259	6271185	1085978	12-64	4 305	20,460	3.64	745	34 17,143	3.67	629	1-70	44	877	-.02	28	46
21-21-0259	6290211	1312008	1-65	3 300	22,240	3.55	790	17 16,310	3.71	605	3-69	42	818	.03	34	49
21-21-0259	6311070	1085978	2-65	3 305	21,673	3.68	797	26 16,703	3.74	624	3-69	42	1,041	-.02	34	55
21-21-0259	6795461	1348259	12-66	2 304	22,250	3.58	797	43 17,845	3.63	648	12-69	40	828	.00	30	46
21-21-0271	6878576	1437921	10-65	2 305	19,500	3.21	626	17 13,470	3.67	495	2-69	29	930	-.09	20	41
21-21-0285	6552008	1348259	5-65	2 305	20,490	3.22	659	54 14,285	3.68	526	10-68	40	975	-.05	27	48
21-21-0285	6552009	1348259	5-65	3 301	18,413	3.69	680	51 14,716	3.73	549	2-70	42	764	.00	28	43
21-21-0306	5874309	1400999	8-63	4 305	17,612	4.07	716	31 12,972	3.66	475	11-69	35	678	.10	39	50
21-21-0306	6941763	1420906	9-67	1 305	20,300	3.73	758	30 12,680	3.73	473	1-70	24	745	.03	31	45
21-21-0309	5618386	1154946	5-62	4 296	19,843	3.56	706	16 14,610	3.65	533	4-69	44	830	-.04	24	41
21-21-0313	5590454	1085978	7-61	3 229	18,727	3.49	654	19 15,693	3.79	594	12-68	8 42	807	-.06	21	38
21-21-0326	5541189	1085978	1-62	5 305	19,306	3.37	651	23 16,844	3.56	600	11-68	44	777	-.05	20	37
21-21-0326	5798081	1386172	2-63	5 272	20,428	3.41	697	20 15,612	3.64	568	11-69	8 36	891	-.07	22	41
21-21-0326	6414170	1451062	11-65	2 260	20,395	3.64	743	29 15,125	3.68	557	9-69	8 29	732	.00	26	41
21-21-0359	6900257	1222994	9-66	2 295	20,590	3.53	726	23 15,320	3.96	607	11-69	40	850	-.05	24	42
21-21-0384	5001111	1124780	9-59	3 305	19,923	3.58	714	40 14,893	3.58	533	9-68	42	672	.01	25	38
21-21-0392	6653516	1278644	12-65	2 305	2											

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVD MO-YR	T CC O W REPT (%)	MILK (LB)	I N D E X FAT (%)	FAT (LB) DOL- LARS
21-21-0508	6186689	1085978	7-64	4 305	21,735	3.14	683	17 16,653	3.26	543	11-69	44	1,089	-0.06	30	\$ 53	
21-21-0508	6186690	1085978	8-64	4 305	25,440	3.35	851	14 17,673	3.19	563	11-69	44	1,433	-0.02	49	78	
21-21-0508	6301281	1085978	5-65	3 305	19,567	3.59	702	58 15,387	3.49	537	9-69	42	935	-0.01	32	51	
21-21-0552	5708979	1085978	10-62	4 221	21,195	3.30	699	11 15,368	3.51	539	4-69	8 44	1,165	-0.06	33	58	
21-21-0556	6068986	1175471	2-64	3 301	17,433	4.58	798	22 14,557	3.65	531	1-70	42	467	-0.17	41	46	
21-21-0556	6825718	1458744	1-67	1 305	16,760	3.68	617	24 14,720	3.60	530	11-69	36	716	-0.01	25	39	
21-21-0559	4911463	1085978	8-58	7 304	17,176	3.74	642	17 15,141	3.64	551	10-68	44	700	-0.00	25	39	
21-21-0559	6293585	1085978	11-64	3 300	19,757	3.58	708	26 15,703	3.76	591	1-70	42	924	-0.04	27	46	
21-21-0559	6578765	1348259	8-65	3 305	20,860	3.32	693	26 15,843	3.72	589	9-69	42	929	-0.05	26	46	
21-21-0569	5293925	1085978	6-60	2 305	17,525	3.46	606	7 13,970	3.66	511	7-69	40	814	-0.04	23	40	
21-21-0569	6444164	1348259	12-65	1 305	17,420	3.70	645	9 13,410	3.69	495	6-69	36	658	-0.01	25	38	
21-21-0572	6277987	1085978	1-65	1 305	22,970	3.12	716	5 17,920	3.20	574	4-70	36	888	-0.05	25	44	
21-21-0586	6464145	1221835	11-65	2 305	18,125	3.66	664	7 14,925	3.54	528	7-69	40	671	-0.01	23	37	
21-21-0586	6464146	1240125	2-66	2 305	20,140	3.49	702	9 14,925	3.58	534	8-69	40	837	-0.02	27	44	
21-21-0586	6473605	1348259	9-65	3 299	20,256	3.48	705	6 15,053	3.72	560	11-69	42	941	-0.03	30	49	
21-21-0589	6693251	1458744	9-66	1 305	18,020	3.32	599	21 13,760	3.72	512	7-69	36	874	-0.04	25	43	
21-21-0594	5887673	1278644	10-63	2 299	19,980	3.48	695	8 16,205	3.52	570	11-69	40	784	-0.06	20	37	
21-21-0622	7083172	1348259	11-66	1 305	17,300	3.65	631	18 13,910	3.36	467	2-69	36	616	-0.03	26	38	
21-21-0645	7391966	1348259	10-67	1 305	21,440	3.37	723	11 18,220	3.25	592	3-70	36	635	-0.01	25	37	
21-21-0647	5854294	1245520	12-62	4 293	18,857	3.61	680	20 15,320	3.54	543	12-69	44	705	-0.02	22	37	
21-21-0647	6137880	1389471	7-64	2 305	21,910	3.40	744	20 15,675	3.60	564	10-68	40	876	-0.06	22	41	
21-21-0647	6201163	1085978	10-64	3 225	19,227	3.60	692	11 15,757	3.73	587	9-69	42	858	-0.03	26	44	
21-21-0773	6053298	1239886	5-62	4 303	18,113	4.18	757	14 15,853	3.50	555	6-69	44	439	-0.13	35	40	
21-21-0773	6104849	1242163	12-63	3 305	22,150	3.06	678	28 15,913	3.60	573	3-69	42	1,105	-0.20	10	37	
21-21-0773	6671305	1278644	6-66	2 305	18,720	3.59	672	38 15,125	3.47	525	11-69	40	755	-0.04	21	37	
21-21-0773	6911326	1312008	4-67	1 305	21,780	3.67	800	42 15,020	3.44	517	11-69	36	632	-0.07	33	44	
21-21-0820	4974422	1180488	9-59	7 302	18,069	3.87	699	53 14,594	3.59	524	3-69	41	516	-0.07	29	37	
21-21-0820	5336799	1180488	8-60	7 295	19,161	3.45	662	53 14,434	3.54	511	10-69	41	686	-0.00	25	39	
21-21-0820	5537068	1085978	2-62	3 224	18,867	3.42	645	16 15,673	3.54	555	12-69	42	825	-0.04	24	41	
21-21-0820	5734562	1180488	1-63	4 305	20,413	3.54	723	43 14,393	3.65	525	10-68	40	825	-0.01	31	47	
21-21-0820	6190390	1085978	1-63	4 302	18,263	3.21	587	50 15,060	3.57	538	6-69	44	837	-0.08	19	37	
21-21-0820	6760103	1458744	9-66	1 305	16,070	3.72	598	70 14,400	3.54	510	9-69	36	686	-0.00	25	39	
21-21-0820	6760105	1458744	11-66	1 305	18,410	3.61	665	25 16,840	3.65	615	4-69	36	697	-0.01	23	37	
21-21-0820	6885053	1458744	6-67	1 305	18,350	3.13	574	70 14,400	3.54	510	9-69	36	856	-0.05	24	42	
21-21-0883	5919267	1085978	10-63	3 305	18,943	3.57	677	16 14,747	3.68	543	9-68	42	930	-0.03	29	48	
21-21-0883	6396299	1417208	10-65	2 305	19,365	3.66	708	14 15,260	3.55	542	2-70	40	838	-0.02	33	49	
21-21-0914	5837823	1222994	1-62	5 305	18,894	3.87	731	14 15,474	3.43	531	11-69	44	742	-0.06	36	49	
21-21-0914	6042240	1244009	10-63	4 305	20,765	3.27	680	15 15,220	3.47	528	10-69	44	1,113	-0.07	29	53	
21-22-0005	5744143	1085978	9-62	6 299	18,143	3.51	636	16 15,543	3.68	572	8-69	44	778	-0.05	21	38	
21-22-0005	5932666	1245520	10-63	4 296	20,227	3.70	749	15 16,272	3.73	607	3-70	44	768	-0.03	23	39	
21-22-0005	6232553	1085978	9-64	4 305	17,128	4.19	717	18 15,605	3.74	583	9-69	44	636	-0.05	30	41	
21-22-0005	6663613	1348259	11-66	2 298	21,790	3.33	726	21 16,570	3.70	613	10-69	40	898	-0.04	26	45	
21-22-0005	6708817	1278644	11-65	3 305	21,080	3.57	752	24 16,833	3.73	628	10-69	42	887	-0.07	22	41	
21-22-0045	5800075	1239886	2-63	1 305	22,310	4.31	962	19 18,370	3.72	684	1-70	36	481	-0.10	32	39	
21-22-0045	6704173	1348259	10-66	1 287	23,060	3.63	836	17 18,410	3.80	699	1-70	36	743	-0.01	26	41	
21-22-0081	5822521	1085978	6-62	5 300	15,844	3.76	595	20 14,076	3.53	497	2-69	44	652	-0.01	25	38	
21-22-0081	6607689	1245520	2-65	3 296	19,110	3.49	667	22 14,656	3.56	522	3-70	42	777	-0.05	21	38	
21-22-0112	6014543	1242163	12-62	3 276	21,227	3.32	704	9 15,833	3.61	572	2-70	42	1,007	-0.16	13	37	
21-22-0112	6014545	1356573	4-62	2 305	22,015	3.18	699	13 14,120	3.49	493	4-69	29	1,063	-0.06	29	52	
21-22-0148	5864348	1085978	8-63	2 244	19,625	3.33	653	39 15,930	3.47	552	12-69	40	848	-0.04	24	42	
21-22-0148	7217743	1458744	2-67	1 305	17,350	3.34	580	21 14,570	3.41	497	8-69	36	770	-0.02	25	41	
21-22-0150	4609788	1049547	2-58	3 305	17,107	3.81	652	18 12,963	3.50	454	12-68	42	675	-0.00	24	37	
21-22-0150	5318427	1085978	4-61	5 303	17,410	3.64	633	19 13,478	3.58	483	1-70	44	923	-0.02	31	50	
21-22-0150	5647329	1242163	5-62	6 300	19,272	3.11	600	22 13,338	3.54	472	1-70	H 44	1,109	-0.18	13	40	
21-22-0150	5647331	1085978	5-62	3 305	16,507	3.36	555	25 12,783	3.50	448	8-69	42	853	-0.05	24	42	
21-22-0150	5788196	1085978	11-62	5 305	16,202	3.67	595	22 13,240	3.54	469	10-69	44	795	-0.00	28	44	
21-22-0150	7064747	1458744	1-68	1 305	17,330	3.59	623	19 14,550	3.66	533	3-70	36	770	-0.01	26	42	
21-22-0163	6429043	1278644	11-65	2 293	17,355	3.81	661	18 13,715	3.62	496	1-69	H 44	745	-0.03	23	38	
21-22-0197	6254944	1221835	8-64	4 302	17,448	3.90	682	14 14,078	3.72	523	10-69	44	736	-0.02	29	43	
21-22-0201	6188016	1179372	9-64	2 305	22,730	3.74	850	30 15,945	3.76	599	11-69	40	929	-0.02	36	54	
21-22-0203	6477384	1221835	10-65	3 292	17,817	3.59	639	10 14,183	3.56	505	10-69	42	746	-0.02	24	39	
21-22-0237	6059025	1199324	1-64	4 301	18,302	3.61	661	18 15,862	3.73	591	11-69	44	778	-0.02	25	41	
21-22-0328	5814320	1394342	1-63	4 294	21,135	3.61	762	10 16,038	3.65	586	1-70	30	807	-0.01	28	44	
21-22-0328	6459614	1329588	3-65	2 291	19,020	4.06	773	27 1,015	3.66	549	10-69	40	660	-0.04	29	41	
21-22-0441	5400358	1351013	3-61	5 305	17,244	3.84	663	60 13,188	3.73	492	2-70	36	638	-0.03	27	39	
21-22-0580	5910031	1239886	8-63	4 302	20,985	3.83	804	29 14,515	3.69	535	5-69	44	943	-0.06	43	60	
21-22-0580	6074209	1085978	12-63	3 300	19,657	3.34	656	37 14,400	3.72	536	1-69	42	1,048	-0.07	27	50	
21-22-0580	6276587	1278644	2-65	3 305	19,813	3.14	623	28 14,210	3.71	527	7-69	42	1,013	-0.12	18	41	
21-22-0580	6902194	1278644	7-67	1 305	21,730	3.61	785	32 14,110	3.81	538	12-69	36	971	-0.07	25	46	
21-22-0581	6701802	1350190	3-66	2 305	21,625	3.39	733	16 15,345	3.72	571	9-69	40	894	-0.09	19	39	
21-22-0581	7135161	1458744	12-67	1 305	24,940	3.16	787	9 16,640	3.64	605	3-70						

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CDDE	..REGISTRATION... CDW NUMBER	SIRE NUMBER	CDW 8CRN MO-YR	..CDW'S AVERAGE RECS DAYS	PRDUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C REPT D (%)	.....C D W MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS
21-23-0060	5844192	1085978	7-63	4 289	19,150	3.26	625	12 14,090	3.51	494	5-69	44	1,055	-.07	28	\$ 51
21-23-0060	6793901	1261857	10-66	1 305	18,630	3.72	693	30 14,160	3.43	485	9-69	36	805	-.09	42	56
21-23-0094	6054039	1085978	9-63	3 305	17,533	3.62	635	89 15,420	3.44	530	12-69	42	698	-.00	25	39
21-23-0095	6198565	1085978	10-64	4 305	18,460	3.62	669	29 16,235	3.60	585	2-70	44	731	-.02	24	39
21-23-0095	6285742	1085978	9-64	4 304	19,710	3.57	703	30 16,005	3.61	578	12-69	44	911	-.03	29	48
21-23-0095	6707108	1307195	9-65	2 305	23,115	3.33	769	33 16,275	3.58	583	10-68	40	912	-.03	29	48
21-23-0095	6749610	1348259	5-65	3 305	18,606	3.74	696	27 15,873	3.53	560	9-69	42	666	-.03	29	41
21-23-0095	6909075	1312008	2-66	3 304	21,083	3.67	773	25 16,856	3.58	603	3-70	42	629	-.06	32	43
21-23-0095	6909084	1085978	10-67	1 305	20,860	3.26	680	43 15,610	3.72	580	11-69	36	886	-.07	22	41
21-23-0135	6702502	1244845	8-66	2 305	21,200	3.45	732	24 15,580	3.41	532	10-69	40	815	-.04	24	41
21-23-0135	6943401	1237057	10-67	1 305	22,620	3.14	710	21 15,760	3.41	537	12-69	36	840	-.08	18	37
21-23-0146	6413900	1348259	9-65	3 301	18,450	3.24	598	41 14,746	3.57	527	7-69	42	765	-.04	21	37
21-23-0150	5955448	1085978	12-63	4 300	18,525	3.35	620	57 14,983	3.56	533	11-69	44	878	-.06	23	42
21-23-0150	6064587	1085978	1-64	1 305	18,570	3.51	652	49 14,640	3.65	534	2-69	36	780	-.03	23	39
21-23-0150	6269560	1278644	1-65	3 301	18,357	3.24	595	88 14,273	3.45	493	8-69	42	839	-.08	18	37
21-23-0150	6419364	1348259	11-65	2 268	18,805	3.24	610	47 14,370	3.56	511	4-69 H	40	796	-.04	23	40
21-23-0150	6773005	1377691	2-67	1 305	20,350	3.51	715	97 13,750	3.45	475	6-69	36	714	-.02	23	38
21-23-0162	5956673	1240125	11-63	5 304	18,038	3.57	644	43 14,326	3.62	518	12-69	44	761	-.02	25	40
21-23-0173	7087530	1458744	9-67	1 303	20,460	3.57	730	21 16,650	3.60	600	12-69	36	862	-.01	29	46
21-23-0201	5470989	1239886	11-61	5 305	17,164	3.98	683	18 14,164	3.70	524	12-68	44	525	-.08	30	39
21-23-0201	5942119	1278644	12-63	3 305	18,903	3.73	705	16 14,460	3.79	548	11-68	42	882	-.05	25	44
21-23-0201	6220508	1085978	11-64	4 305	17,293	4.08	705	18 15,215	3.69	562	2-70	44	700	-.04	31	44
21-23-0201	6691326	1312008	12-66	1 305	24,590	2.87	706	21 15,660	3.68	577	2-69	36	798	-.05	22	39
21-23-0218	5844191	1085978	1-63	4 303	17,790	3.41	607	26 15,360	3.52	541	6-69	44	745	-.04	21	37
21-23-0218	6643763	1239242	7-66	2 305	20,555	3.55	729	31 17,125	3.40	583	1-70	40	648	-.00	24	37
21-23-0256	5956395	1368822	8-63	4 294	19,170	3.42	655	15 14,188	3.48	494	7-69	36	792	-.02	25	41
21-23-0256	6352864	1085978	11-63	3 305	19,167	3.61	691	9 16,520	3.49	576	12-69	42	772	-.01	27	42
21-23-0256	6574185	1406271	4-66	2 305	17,295	4.02	695	13 14,675	3.62	531	7-69	40	705	-.08	37	49
21-23-0256	7365946	1261857	6-67	1 305	19,810	3.10	615	16 15,500	3.61	559	8-69	36	803	-.01	31	47
21-23-0271	5782492	1245520	1-63	2 304	18,695	3.72	695	16 13,840	3.47	480	9-69	40	758	-.01	26	41
21-23-0490	6310175	1438006	9-64	4 305	21,255	3.99	848	32 16,797	3.51	589	12-69	40	925	-.12	51	66
21-23-0490	6738163	1278644	8-66	2 298	21,690	3.67	795	23 18,005	3.51	632	12-69	40	793	-.03	24	40
21-23-0491	6111738	1085978	10-63	3 284	17,133	3.62	620	56 13,870	3.66	507	9-68 H	42	812	-.02	26	43
21-23-0491	6335695	1239886	11-64	2 305	19,365	3.59	696	43 14,175	3.68	521	11-68	40	674	-.03	28	41
21-23-0491	6576904	1348259	11-65	3 292	20,673	3.27	676	53 14,066	3.68	517	10-69	42	1,091	-.06	31	54
21-23-0491	6670779	1482348	8-66	2 305	19,160	3.99	765	37 14,770	3.68	544	1-70	25	566	-.06	29	39
21-23-0491	6746643	1348259	9-66	2 305	20,825	3.66	762	32 14,585	3.68	537	1-70	40	981	-.00	36	55
21-23-0590	6426058	1348259	9-65	3 298	19,910	3.66	728	38 16,246	3.57	580	12-69	42	778	-.02	31	46
21-23-0721	6730888	1426912	10-66	1 245	16,890	4.00	675	24 13,770	3.55	489	3-69 8	26	525	-.10	34	42
21-23-0810	5880903	1085978	5-63	3 288	18,677	3.45	644	25 14,383	3.69	531	12-69	42	937	-.05	26	46
21-23-0811	5942291	1413297	6-63	4 305	19,498	3.44	671	33 15,058	3.58	539	4-70	35	824	-.03	25	42
21-23-0811	5942299	1413297	9-63	4 303	19,400	3.41	662	46 14,675	3.53	518	11-69	35	859	-.03	26	44
21-23-0811	6429110	1401559	9-65	2 305	22,455	3.26	733	45 14,990	3.66	548	7-69	32	1,071	-.10	24	48
21-23-0811	6429133	1389471	7-65	2 305	21,900	3.54	776	40 15,325	3.47	532	7-69	40	907	-.03	28	47
21-23-0811	6565016	1401559	3-66	2 305	19,960	3.48	695	21 14,960	3.59	537	4-69	32	786	-.05	21	38
21-23-0937	5511743	1239886	2-62	4 305	20,045	3.60	722	114 13,658	3.49	477	7-69	44	922	-.04	39	56
21-23-0937	5956027	1399459	8-63	4 298	18,763	3.89	730	134 13,923	3.53	492	10-69	33	894	-.06	41	57
21-23-0937	5956035	1399459	10-63	3 305	18,660	3.38	630	130 14,300	3.55	508	12-69	32	794	-.03	24	41
21-23-0937	6050746	1085978	10-63	4 297	17,068	3.66	624	138 13,700	3.52	482	9-69	44	841	-.00	30	47
21-23-0937	6050748	1399459	8-63	3 292	19,543	3.23	632	102 14,743	3.51	517	12-68	32	860	-.05	23	41
21-23-0937	6165229	1252934	11-64	4 303	20,500	3.52	721	87 15,048	3.50	526	1-70	44	837	-.01	32	48
21-23-0937	6197944	1442451	7-64	4 297	20,382	3.30	672	108 14,620	3.51	513	1-70	33	798	-.05	22	39
21-23-0937	6200236	1329588	12-64	3 304	18,937	3.57	676	102 13,427	3.54	475	7-69	42	862	-.01	29	46
21-23-0937	6226547	1411026	11-64	3 304	20,450	3.24	662	138 13,996	3.54	496	12-68	42	734	-.03	22	37
21-23-0937	6809053	1347940	11-66	1 305	18,860	3.34	629	134 13,560	3.50	475	8-69	36	962	-.02	31	51
21-23-0937	6809056	1347940	12-66	1 305	20,270	3.40	690	63 14,700	3.56	524	4-69	36	990	-.02	32	52
21-23-0937	7013669	137940	2-67	1 294	16,090	3.60	579	143 13,700	3.47	476	9-69	36	746	-.00	27	42
21-23-0937	7084421	1261857	7-67	1 285	18,750	3.58	672	94 13,900	3.53	490	5-69	36	831	-.07	40	55
21-24-0014	6354608	1085978	9-64	3 278	16,857	3.68	620	13 14,500	3.57	517	6-69	42	715	-.01	25	39
21-24-0014	6854521	1473442	7-67	1 305	20,250	3.29	667	22 15,900	3.51	558	10-69	33	799	-.07	19	37
21-24-0016	7056406	1261857	8-67	1 305	19,860	3.67	729	12 17,960	3.66	658	8-69	36	642	-.07	33	44
21-24-0020	6864346	1348259	9-65	3 290	18,650	3.78	705	19 16,676	3.51	586	7-69	42	588	-.04	27	38
21-24-0061	5861542	1221835	3-63	3 305	19,517	3.47	678	33 14,890	3.43	511	9-69	42	868	-.02	28	46
21-24-0090	5818514	1199324	11-62	4 302	20,835	3.84	801	25 15,767	3.80	599	4-69	44	1,102	-.01	41	63
21-24-0090	5966183	1405057	12-63	4 305	22,725	3.55	806	34 16,492	3.79	625	12-69	35	947	-.03	29	49
21-24-0090	6018051	1199324	12-63	4 300	18,542	3.68	683	39 16,305	3.81	621	11-69	44	759	-.02	24	40
21-24-0090	6175753	1199324	3-64	4 305	18,220	3.89	708	36 16,077	3.79	610	3-70	44	744	-.01	28	43
21-24-0090	6469417	1442168	9-65	3 302	21,116	3.66	772	43 15,950	3.86	615	10-69	33	743	-.02	24	39
21-24-0090	6745878	1458744	10-66	2 302	20,015	3.90	781	36 16,755	3.81	639	1-70	40	884	-.01	34	51
21-24-0090	6745882	1417208	12-66	1 305	23,000	3.47	799	43 17,040	3.87	660	10-69	36	902	-.03	28	47
21-24-0125	6403943	1276654	9-65	3 303	23,400	3.26	762	43 16,697	3.64	608	9-69	42	943	-.07	23	44
21-24-01																

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUM8ER	SIRE NUM8ER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	FAT (%)	PRODUCTION. FAT (L8)	..HEROMATE MILK (L8)	AVERAGES.. FAT (%)	LAST T CALVO C MO-YR O	.....C O W MILK (L8)	I N O E X..... FAT (%)	DOL- LARS			
21-24-0303	6144311	1278644	9-64	2 305	22,080	3.39	748	20 17,575	3.57	627	1-69	40	872	-.08	20	\$ 39
21-24-0303	6144312	1085978	10-64	3 301	19,470	3.56	693	21 16,650	3.54	589	12-68	42	793	-.02	26	42
21-24-0303	6326539	1085978	4-65	2 305	21,960	3.34	734	19 17,715	3.58	635	12-68	40	922	-.06	25	45
21-24-0332	5732762	1298717	2-63	5 268	19,538	3.72	726	29 15,796	3.55	560	11-69	8 40	755	.03	31	45
21-24-0332	6829233	1348259	2-67	1 305	22,690	3.15	714	11 15,490	3.68	570	6-69	36	911	-.05	25	44
21-24-0333	6657940	1348259	9-66	1 305	15,310	3.48	533	31 10,920	3.49	381	9-69	36	668	.01	25	38
21-24-0337	6222259	1427990	6-64	4 305	22,085	3.27	722	22 16,340	3.53	577	11-69	34	1,022	-.07	26	48
21-24-0337	6392534	1427990	7-65	3 305	21,120	3.47	732	24 16,946	3.51	594	8-69	32	764	-.02	24	40
21-24-0343	5423446	1333969	8-60	5 302	19,114	3.92	749	21 14,618	3.67	536	3-70	43	543	.10	34	42
21-24-0350	6431301	1426208	8-65	3 290	21,983	3.43	754	25 17,500	3.50	612	1-70	37	740	.00	27	42
21-24-0380	7314353	010275932	7-67	1 305	22,070	3.43	757	14 15,140	3.52	533	8-69	35	672	.00	24	37
21-24-0384	6045201	1221835	10-62	5 296	19,538	3.89	761	8 16,158	3.69	596	4-69	44	778	.02	31	46
21-24-0384	6601994	1278644	3-66	2 305	22,070	3.58	790	37 18,240	3.51	640	9-69	40	811	-.04	23	40
21-24-0389	5968217	1419504	8-63	4 261	16,345	3.34	546	17 12,250	3.68	451	11-69	8 34	800	-.07	19	37
21-24-0389	5968221	1419504	9-63	4 270	17,705	3.15	557	15 12,630	3.61	456	10-69	8 34	947	-.10	20	41
21-24-0396	7071889	1348259	12-67	1 305	19,470	3.74	728	18 16,000	3.66	586	1-70	36	637	.01	25	37
21-24-0398	5855166	1392504	8-62	3 305	22,470	3.85	864	16 14,923	3.64	543	7-69	32	1,143	.06	51	72
21-24-0398	6306866	1285709	7-64	1 305	22,560	3.38	762	22 14,620	3.50	511	11-69	36	759	-.04	22	38
21-24-0398	6393891	1308429	10-65	2 305	22,740	3.45	785	10 16,410	3.58	588	4-69	40	861	-.07	21	40
21-24-0398	6445052	1428649	6-65	3 305	19,696	4.01	790	27 15,063	3.60	543	10-69	37	877	.04	37	53
21-24-0398	6586174	1368763	2-66	2 305	22,130	3.66	810	10 15,875	3.39	538	3-70	40	763	-.03	23	39
21-24-0398	7105336	010275932	9-66	1 305	21,210	3.80	807	10 15,350	3.40	522	2-69	35	593	.05	28	39
21-24-0405	6673152	1348259	11-66	2 305	18,660	3.57	666	8 14,290	3.72	531	1-70	40	788	-.01	27	43
21-24-0436	6266134	1085978	9-64	1 305	20,200	3.42	690	5 16,190	3.44	557	3-70	36	798	-.03	24	41
21-24-0491	5211943	1085978	12-60	7 292	18,706	3.50	654	25 16,229	3.51	570	1-70	44	771	-.03	24	40
21-24-0491	6368023	1244845	6-65	3 305	20,617	3.40	700	27 15,473	3.39	525	2-70	42	829	-.04	24	41
21-24-0491	6420803	1348259	11-65	2 302	17,100	3.78	647	34 14,130	3.52	497	10-68	H 40	645	.03	28	40
21-24-0491	6454866	1348259	1-66	2 305	19,735	3.68	727	19 15,510	3.44	533	6-69	40	786	.03	33	48
21-24-0495	5429048	1085978	8-61	5 305	19,596	3.94	773	22 17,468	3.69	645	3-69	44	742	.03	31	45
21-24-0495	6304138	1413724	11-64	3 305	21,756	4.08	888	30 17,083	3.66	625	7-69	33	752	.10	42	54
21-24-0504	6685288	1237057	8-65	2 305	21,260	3.57	758	51 14,900	3.77	562	9-69	40	952	-.06	26	46
21-24-0570	6214593	1085978	10-64	2 291	18,320	3.57	654	15 15,400	3.64	561	7-69	40	764	-.03	23	39
21-24-0570	6769715	1496605	10-66	2 305	20,455	3.61	739	18 15,485	3.71	575	4-70	29	816	-.04	23	40
21-24-0570	7103392	1348259	8-66	2 305	18,905	3.91	740	17 15,255	3.66	558	4-70	40	725	.04	32	45
21-24-0570	7110714	1348259	8-66	1 305	22,480	3.59	806	26 14,910	3.57	532	12-68	36	934	.01	35	53
21-24-0630	6002019	1237057	11-63	5 305	20,222	3.18	643	22 15,168	3.53	535	4-70	44	944	-.10	19	40
21-24-0630	6425833	1237057	1-64	4 305	21,130	3.48	735	24 15,465	3.56	551	1-70	44	998	-.05	28	49
21-24-0657	4585000	1287075	1-58	7 305	17,114	3.64	623	30 13,093	3.51	459	3-69	38	637	.01	25	37
21-24-0657	5729665	1367326	9-62	6 305	18,110	3.75	679	45 13,785	3.49	481	2-70	36	768	.05	35	49
21-24-0657	6720073	1458744	10-66	1 305	18,050	3.68	665	30 13,190	3.59	473	3-69	36	915	.00	33	51
21-24-0661	6898425	1457718	10-66	2 305	21,720	3.55	771	18 16,590	3.77	626	12-69	29	783	-.05	21	38
21-24-0668	5299500	1239886	2-61	6 305	19,108	3.25	621	29 15,068	3.44	518	1-70	44	671	-.01	23	37
21-24-0675	5716423	1085978	8-62	4 261	16,828	3.57	600	33 14,130	3.58	506	10-68	8 44	763	-.02	24	40
21-24-0894	5838959	1085978	2-63	5 297	18,664	3.47	648	46 15,528	3.65	567	12-69	44	847	-.04	24	42
21-24-0894	5838962	1221835	9-62	5 303	17,914	3.99	714	50 15,722	3.68	578	12-69	44	619	.03	27	38
21-24-0894	5972505	1239886	10-63	4 305	19,060	3.58	682	70 15,383	3.65	562	10-69	44	609	.02	25	37
21-24-0894	6186546	1278644	10-64	4 305	22,098	3.32	733	70 15,310	3.68	563	10-69	44	1,212	-.11	27	54
21-24-0894	6552556	1348259	12-65	1 305	20,070	3.27	656	90 15,220	3.59	547	10-68	36	734	-.02	23	38
21-24-0933	5957789	1085978	10-63	5 297	18,114	3.80	689	36 16,328	3.75	613	12-69	44	683	-.01	23	37
21-24-0933	6374551	1085978	8-65	3 304	20,710	3.42	708	45 15,973	3.77	602	11-69	H 42	1,006	-.07	26	48
21-24-0988	6772432	1417208	12-66	1 305	15,250	4.21	642	30 13,730	3.58	492	10-69	36	546	.06	28	37
21-24-0994	6209258	1420665	10-64	4 305	16,835	3.87	652	26 13,040	3.74	488	3-70	34	612	.03	26	37
21-24-0996	5572340	1179372	3-62	5 304	17,578	3.85	677	31 13,436	3.75	504	12-69	44	733	.03	31	45
21-24-0996	5982859	1085978	9-63	3 305	16,920	3.78	640	39 13,243	3.75	497	11-68	42	853	-.01	29	46
21-25-0015	6069234	1278644	12-63	4 301	18,933	3.31	627	19 13,638	3.62	494	10-69	44	1,007	-.10	22	44
21-25-0015	6781377	1348259	2-66	1 305	16,040	4.00	642	22 12,830	3.69	474	1-69	36	594	.04	27	38
21-25-0038	6202425	1252934	12-63	4 302	17,400	3.82	664	21 13,713	3.57	490	9-69	44	602	.05	29	40
21-25-0038	7048324	1348259	6-67	1 305	22,800	3.58	816	19 16,520	3.35	553	1-70	36	850	.02	34	50
21-25-0179	5166097	1085978	11-59	7 292	18,100	3.52	638	23 13,426	3.54	475	12-68	44	1,018	-.02	33	54
21-25-0179	6450372	1085978	8-64	3 305	21,523	3.50	753	43 13,523	3.75	507	9-69	42	1,353	-.05	41	69
21-25-0179	6909617	1278644	1-66	2 305	18,925	3.42	647	41 13,770	3.73	513	1-69	40	900	-.08	20	40
21-25-0179	7102764	1389471	8-66	2 305	18,690	3.89	727	59 14,160	3.69	523	11-69	40	687	-.01	24	38
21-25-0179	7217761	1273756	8-67	1 305	20,190	3.08	622	56 14,650	3.81	558	10-69	36	774	-.04	22	38
21-25-0499	6233738	1278644	9-64	3 305	21,360	3.15	673	57 14,893	3.48	518	5-69	42	1,120	-.11	24	49
21-25-0499	6233744	1085978	1-65	3 305	17,703	3.63	642	48 14,987	3.47	520	4-69	42	762	.00	27	42
21-25-0499	6469827	1348259	11-65	2 305	17,855	3.62	647	50 14,715	3.50	515	4-69	40	668	.02	27	40
21-25-0499	6550581	1348259	11-65	2 305	17,640	3.86	681	50 14,910	3.48	519	11-69	40	628	.05	30	41
21-25-0504	6645068	1348259	3-66	2 305	18,150	3.45	627	8 14,245	3.62	516	7-69	40	741	.01	25	40
21-25-0561	5455120	1240125	12-61	6 300	18,692	3.50	655	24 14,537	3.58	521	11-69	44	821	-.02	26	43
21-25-0561	5579457	1239886	3-62	3 305	20,263	3.21	651	26 14,873	3.67	546	8-69	42	771	-.04	22	38
21-25-0674	6468047	1452345	9-65	2 214	19,615	3.56	698	20 15,915	3.50	557	12-68	8 36	871	-.01	30	48</

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES... FAT (%)	LAST T CALVO C MO-YR O	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..OOL- LARS				
21-26-0085	6808572	1261857	2-67	1 305	17,770	3.11	552	16	15,730	3.28	516	4-69	36	636	.04	29	\$ 41
21-26-0096	6272231	1085978	11-64	3 301	17,577	3.48	611	14	14,093	3.52	496	7-69	42	840	-.03	26	43
21-26-0096	6362589	1386406	5-65	3 305	18,566	3.89	723	24	15,386	3.59	553	11-69	42	681	.05	32	44
21-26-0167	6558354	1348259	1-66	1 305	19,400	3.69	716	10	16,430	3.37	553	12-69	36	603	.04	27	38
21-26-0219	6766297	1261857	12-66	1 305	18,410	3.35	617	12	13,470	3.56	479	1-69	36	835	.04	36	52
21-26-0263	5919674	1085978	11-63	5 301	19,198	3.53	678	5	17,376	3.49	606	9-69	44	701	-.02	23	37
21-26-0263	6226372	1085978	11-64	2 305	22,320	3.02	674	5	18,020	3.47	626	6-69	40	931	-.10	19	40
21-26-0267	6150441	1396252	7-64	3 305	19,000	3.29	625	20	12,917	3.47	448	3-70	29	853	-.04	25	43
21-26-0273	6357539	1239886	3-64	4 305	17,288	3.68	636	12	13,728	3.54	486	10-69	44	574	.05	28	38
21-26-0275	5195054	1189870	8-60	7 303	20,229	3.65	739	13	15,451	3.68	569	6-69	44	850	.00	31	48
21-26-0275	5552512	1189870	1-62	3 295	23,213	3.47	805	24	16,523	3.85	636	11-68	42	1,021	-.05	30	51
21-26-0275	6015395	1276654	1-64	4 305	20,455	3.82	782	22	15,095	3.57	539	2-70	44	813	.04	35	50
21-26-0275	6327818	1406271	5-65	3 305	17,120	3.20	547	21	14,106	3.57	503	9-69	42	765	-.02	24	40
21-26-0275	6359463	1406271	7-65	2 305	16,015	3.75	601	19	14,305	3.61	517	8-69	40	608	.04	28	39
21-26-0286	5910148	1085978	10-63	3 296	20,507	3.56	731	20	18,483	3.47	642	12-68	H 42	723	-.01	25	40
21-26-0286	5931105	1272013	10-63	4 305	21,435	3.70	794	23	18,320	3.35	614	9-69	44	690	.01	27	40
21-26-0286	6361172	1348259	4-65	3 305	25,480	3.43	874	24	18,993	3.40	646	12-69	42	1,134	.00	41	63
21-26-0290	6398974	1406271	8-65	2 300	17,970	3.64	654	14	15,715	3.68	578	7-69	40	678	.02	28	41
21-26-0290	6718051	1458744	11-66	1 305	18,120	3.86	699	14	16,150	3.63	586	12-69	36	721	.01	28	42
21-26-0298	6222673	1278644	12-64	4 299	20,138	3.23	651	8	16,005	3.31	530	3-70	44	893	-.08	21	41
21-26-0298	6876355	1479593	7-67	1 305	22,970	2.89	663	10	15,360	3.31	509	1-70	30	956	-.09	21	42
21-26-0330	6878678	1278644	5-67	1 305	19,790	3.38	669	9	11,420	3.57	408	10-69	36	1,007	-.07	26	48
21-26-0337	5989138	1239886	9-63	3 300	21,013	3.32	698	13	16,837	3.41	574	7-69	42	654	.01	25	38
21-26-0337	6181276	1240125	11-64	4 305	21,960	3.27	718	19	18,053	3.45	623	2-70	44	815	-.05	22	39
21-26-0337	6272822	1085978	1-65	4 302	23,375	3.09	723	20	17,810	3.48	620	12-69	44	1,163	-.11	26	52
21-26-0337	6405705	1240125	6-65	3 297	20,907	3.55	742	16	17,260	3.49	603	1-70	42	745	-.01	26	41
21-26-0337	6405712	1312008	11-65	2 305	20,360	4.16	846	14	17,210	3.41	587	6-69	40	466	.15	38	44
21-26-0337	6503961	1348259	10-65	2 305	21,425	3.45	740	15	17,380	3.52	611	3-69	40	787	-.01	27	43
21-26-0337	6503962	1348259	2-66	1 305	22,150	3.23	716	22	16,980	3.52	598	10-68	36	771	-.03	24	40
21-26-0337	6684110	1348259	9-66	2 305	22,615	3.17	717	19	17,655	3.52	622	1-70	40	882	-.05	24	43
21-26-0353	4826405	929962	12-58	7 304	19,080	3.68	702	10	15,101	3.38	511	3-69	44	608	.03	27	38
21-26-0363	6709491	1479547	9-65	1 305	22,500	3.29	740	13	15,760	3.39	535	12-68	26	857	-.02	28	45
21-26-0363	6709492	1479547	10-65	1 305	19,860	3.46	687	10	15,530	3.37	524	5-69	26	646	.00	24	37
21-26-0369	6233303	1085978	1-65	1 305	20,390	3.60	735	7	16,200	3.69	598	11-68	36	811	-.03	25	42
21-26-0382	6384488	1221835	8-65	2 305	20,205	3.38	682	7	14,230	3.54	504	1-70	40	946	-.05	27	47
21-26-0387	6920199	1348259	10-67	1 305	16,770	3.89	653	29	14,210	3.42	486	10-69	36	556	.05	27	37
21-26-0395	6627509	1085978	7-65	1 305	22,300	3.35	746	33	14,820	3.46	513	12-69	36	1,046	-.04	31	53
21-26-0395	6958847	1348259	7-67	1 305	21,840	3.38	738	30	14,970	3.47	520	1-70	36	883	-.01	31	49
21-26-0399	5752757	1295523	11-62	4 305	21,600	3.81	824	11	16,730	3.64	609	1-70	42	926	.03	38	56
21-26-0408	6295435	1167632	2-65	3 305	19,023	3.58	681	7	13,857	3.59	498	12-69	42	935	-.02	31	50
21-26-0457	5613717	1179372	4-62	5 305	18,440	3.87	714	17	15,324	3.60	552	1-70	44	625	.05	30	41
21-26-0457	6857449	1261857	6-67	1 305	18,680	3.85	720	17	14,560	3.52	512	1-70	36	782	.09	42	55
21-26-0459	6426233	1348259	9-65	3 302	18,423	3.63	669	5	14,446	3.57	516	4-70	42	793	.02	31	46
21-26-0461	5609368	1179372	10-61	4 305	19,790	3.22	638	21	15,280	3.39	518	6-69	44	782	-.03	24	40
21-26-0461	6222641	1239242	3-64	3 305	21,093	3.52	742	28	15,870	3.43	545	12-68	42	881	-.01	31	49
21-26-0461	6445922	1464408	12-65	2 299	21,335	3.60	767	27	16,460	3.57	587	9-69	32	687	-.01	24	38
21-26-0461	6842907	1239242	10-66	1 305	21,320	3.51	748	26	16,220	3.51	569	1-69	36	681	-.01	23	37
21-26-0461	6842909	1377954	10-66	2 305	20,010	3.48	696	28	16,760	3.49	585	11-69	40	707	.01	27	41
21-26-0461	6846062	1377954	9-66	2 304	18,830	3.60	677	33	16,390	3.53	578	10-69	40	621	.02	26	38
21-26-0461	6846063	1377954	10-66	2 305	21,495	3.65	785	31	16,855	3.46	584	12-69	40	849	.04	36	52
21-26-0461	6846067	1261857	2-67	1 305	22,800	3.65	833	25	16,420	3.61	592	9-69	36	964	.07	45	62
21-26-0461	7044489	1377954	11-67	1 305	20,430	3.82	781	30	17,350	3.46	601	11-69	36	626	.05	30	41
21-26-0461	7114543	1261857	2-67	2 302	21,645	3.47	750	13	15,785	3.55	561	4-70	40	1,055	.05	45	65
21-26-0526	6196678	1418879	9-64	4 305	19,532	3.99	780	5	16,965	3.72	631	11-69	35	699	.05	33	46
21-26-0526	6439284	1418879	8-65	3 302	20,113	3.87	779	8	16,316	3.79	618	9-69	34	830	.02	33	49
21-26-0526	6439286	1418879	9-65	3 305	21,253	3.52	748	6	16,930	3.80	643	10-69	34	907	-.05	26	45
21-26-0526	6841683	1377954	2-67	1 305	24,200	3.66	886	12	19,310	3.79	731	12-69	36	776	.01	30	45
21-26-0526	6980516	1473442	10-67	1 305	23,100	3.60	831	13	19,490	3.75	730	11-69	33	769	-.05	20	37
21-26-0741	6942079	1387978	11-67	1 297	17,910	3.94	706	8	12,990	3.63	471	12-69	35	784	.03	32	47
21-26-0798	6245191	1418879	2-65	3 305	19,863	3.86	767	7	17,486	3.63	635	5-69	34	658	.04	29	41
21-26-0798	6490049	1418879	11-65	2 305	21,520	3.37	726	15	17,735	3.61	640	3-69	31	801	-.05	22	39
21-26-0805	5454706	1085978	11-61	6 300	22,135	3.32	734	22	17,845	3.53	630	8-69	44	1,025	-.07	27	49
21-26-0805	5822779	1239886	11-62	4 304	23,058	3.42	788	15	19,090	3.54	675	4-69	44	690	.00	25	39
21-26-0805	5976678	1240125	9-63	5 304	22,546	3.30	744	29	18,858	3.52	664	1-70	44	816	-.06	21	39
21-26-0805	6236659	1239886	8-64	4 305	23,745	3.26	773	30	18,758	3.53	663	10-69	44	812	-.03	25	42
21-26-0805	6272932	1085978	12-64	4 294	21,938	3.73	819	25	19,530	3.59	701	12-69	44	794	.00	29	45
21-26-0805	6461765	1348259	9-65	3 303	22,313	3.74	834	26	18,760	3.54	665	8-69	42	794	.04	34	49
21-26-0805	6757746	1348259	8-66	2 289	23,325	3.67	857	23	18,670	3.50	653	7-69	40	862	.03	35	51
21-26-0805	6757747	1348259	11-66	2 294	23,240	3.78	879	25	20,275	3.58	725	11-69	40	706	.04	31	44
21-26-0805	6954319	1348259	9-67	1 305	23,430	4.41	1034	21	20,610	3.65	753	1-70	36	623	.10		

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COU'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW 80RN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C REPT O (%)	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS		
21-28-0051	6971164	1360676	10-66	1 305	18,580	3.14	584	18	16,230	3.15	512	9-69	34	669	.00	24	\$ 37
21-28-0051	6971168	1261857	4-67	1 305	22,690	3.49	793	20	17,010	3.22	547	11-69	36	916	.08	45	61
21-28-0056	6201966	1085978	8-64	3 241	18,293	3.66	669	20	14,557	3.59	523	2-70	8 42	875	-.01	30	48
21-28-0056	6949092	1261857	8-67	1 262	18,740	3.67	688	45	16,760	3.50	587	9-69	8 36	639	.08	34	45
21-28-0056	6949095	1261857	9-67	1 247	18,540	3.35	621	45	16,760	3.50	587	9-69	8 36	624	.04	29	40
21-28-0056	6949096	1261857	9-67	1 255	18,890	3.48	657	45	16,760	3.50	587	9-69	8 36	650	.06	32	43
21-28-0060	6076683	1273237	4-64	4 305	20,973	3.62	760	19	15,913	3.53	561	4-70	43	767	-.02	25	41
21-28-0068	6121873	1239886	7-64	3 305	17,443	3.71	648	13	13,480	3.41	459	5-69	42	591	.07	31	41
21-28-0071	6116688	1085978	6-62	1 305	21,890	3.24	710	10	14,660	3.71	544	7-69	36	1,026	-.07	26	48
21-28-0076	6764011	1320371	10-66	1 305	23,580	3.48	820	21	15,670	3.57	560	10-69	35	868	-.02	29	47
21-28-0089	7310186	1261857	1-67	1 305	17,530	3.42	599	24	14,430	3.76	543	6-69	36	705	.04	31	44
21-28-0100	5529362	1240125	9-61	4 305	18,618	3.99	743	18	14,973	3.69	553	5-69	44	744	.04	33	47
21-28-0277	5810148	1085978	12-62	5 302	19,580	3.47	679	39	16,944	3.57	605	11-69	44	800	-.04	23	40
21-28-0277	5810149	1085978	2-63	5 291	18,526	3.63	672	33	16,754	3.59	601	1-69	44	687	-.01	23	37
21-28-0277	6248328	1312008	9-64	4 301	21,005	3.66	769	36	17,682	3.60	637	3-70	44	563	.06	29	39
21-28-0277	6248336	1240125	7-64	4 294	20,763	3.59	746	48	17,118	3.61	618	9-69	44	771	-.01	26	42
21-28-0277	6294789	1245520	9-64	4 305	22,560	3.66	826	40	17,855	3.58	640	3-70	44	880	-.02	29	47
21-28-0277	6297349	1458117	4-66	2 305	20,610	3.47	716	38	16,555	3.59	594	8-69	36	779	-.04	22	38
21-28-0301	5769833	1240125	11-62	4 305	23,278	3.36	781	31	17,520	3.50	614	5-69	44	1,037	-.04	31	53
21-28-0301	6355605	1272013	8-64	4 303	22,775	3.20	729	58	17,768	3.47	617	10-69	44	916	-.09	19	40
21-28-0301	6457689	1085978	9-64	4 300	20,093	3.66	736	53	18,255	3.47	634	10-69	44	708	.00	26	40
21-28-0301	6675338	1348259	9-66	2 299	22,640	3.05	691	53	18,160	3.42	621	9-69	40	839	-.06	22	40
21-28-0301	6675348	1278644	10-66	2 305	23,290	3.37	784	53	18,400	3.43	632	12-69	40	920	-.07	23	43
21-28-0301	6675351	1221835	8-66	2 305	21,920	3.51	769	55	18,640	3.41	636	12-69	40	717	-.01	24	39
21-28-0518	5838119	1221835	10-62	5 302	21,300	3.76	801	35	15,204	3.65	555	12-69	44	1,116	.00	41	63
21-28-0518	6521290	1278644	3-66	2 305	25,120	3.28	823	13	14,745	3.84	566	7-69	40	1,439	-.12	33	65
21-28-0539	6509192	1272013	7-65	3 302	20,693	3.38	699	9	15,587	3.56	555	7-69	42	863	-.08	20	39
21-28-0543	5269700	1179372	2-61	5 305	18,766	3.42	642	23	14,984	3.62	543	1-69	44	707	-.02	22	37
21-28-0982	6549174	1261857	5-66	2 305	18,645	3.59	670	9	14,650	3.41	499	3-70	40	854	.08	42	57
21-29-0012	6618249	1348259	5-66	2 302	17,480	3.62	632	34	14,425	3.69	532	8-69	40	656	.00	24	37
21-29-0017	6191161	1237057	11-64	4 302	22,943	3.18	730	8	16,853	3.55	599	3-70	44	1,068	-.11	22	46
21-29-0017	6253203	1438006	9-64	3 257	18,310	3.89	712	24	14,850	3.56	528	9-69	39	747	.08	39	52
21-29-0017	6464258	1347940	9-65	2 305	19,865	4.18	830	14	16,755	3.59	602	4-69	40	880	.08	43	59
21-29-0030	6116571	1329588	8-64	4 293	20,215	3.36	680	19	15,728	3.56	560	12-69	44	805	-.05	21	38
21-29-0030	6261261	1282596	1-65	3 300	21,700	3.25	705	10	14,763	3.58	528	4-69	42	833	-.07	19	37
21-29-0055	5531364	1378792	12-61	4 305	19,652	3.89	765	35	15,920	3.73	594	2-70	37	781	.01	30	45
21-29-0055	5746661	1378792	12-61	6 304	20,280	3.61	733	33	16,260	3.66	595	3-69	38	845	-.02	27	44
21-29-0055	5844244	1244845	3-63	5 305	20,490	3.69	756	35	16,500	3.67	606	11-69	44	760	-.02	25	40
21-29-0094	6256474	1085978	8-64	3 305	19,417	3.47	673	21	14,477	3.54	513	4-69	42	1,012	-.04	31	52
21-29-0094	6325186	1085978	7-65	3 299	16,647	3.63	605	36	13,923	3.63	505	6-69	42	751	-.02	24	39
21-29-0094	7029034	1348259	9-67	1 305	20,040	3.35	672	30	15,000	3.50	525	2-70	36	747	-.01	25	40
21-29-0123	6538028	1417208	4-65	2 305	19,650	3.36	660	19	15,410	3.67	565	3-69	40	854	-.03	26	44
21-29-0126	6379129	1438006	2-65	3 302	19,053	3.71	706	12	15,560	3.79	590	5-69	39	760	.03	32	46
21-29-0126	6379130	1085978	4-65	3 305	20,147	4.02	809	22	16,083	3.77	607	12-69	42	930	.02	37	55
21-29-0150	6336637	1278644	11-64	4 295	19,733	3.60	710	15	15,958	3.60	575	3-70	44	848	-.05	23	41
21-29-0150	6755394	1272013	12-66	2 305	20,910	3.33	696	21	15,185	3.56	540	12-69	40	859	-.08	19	38
21-29-0194	5234546	1179372	4-60	4 305	18,148	3.87	702	15	14,953	3.54	529	8-69	44	615	.05	30	41
21-29-0194	6247862	1283917	9-64	4 302	20,430	3.31	677	15	15,190	3.54	538	12-69	44	909	-.11	17	38
21-29-0194	6279260	1085978	11-64	3 301	19,620	3.24	636	19	14,637	3.57	521	10-69	42	1,019	-.07	26	48
21-29-0194	6575315	1458117	4-66	2 305	19,645	3.21	630	24	14,690	3.50	514	7-69	36	855	-.07	20	39
21-29-0194	6750804	1348259	12-66	1 305	20,360	3.86	785	22	15,690	3.52	553	8-69	36	724	.04	32	45
21-29-0220	5068240	1085978	3-60	7 302	17,197	3.81	656	18	15,533	3.51	545	11-68	44	657	.02	27	39
21-29-0220	6596232	1239242	8-66	1 305	20,380	3.68	749	15	15,600	3.60	561	9-68	36	653	.00	24	37
21-29-0245	5715166	1085978	10-62	4 304	17,725	3.44	609	19	14,473	3.63	525	2-69	44	836	-.05	23	41
21-29-0245	6186854	1085978	9-64	3 305	17,700	3.39	600	37	14,697	3.63	534	10-69	42	792	-.05	21	38
21-29-0255	6497085	1348259	9-65	2 305	16,710	4.03	673	8	13,890	3.67	510	6-69	40	627	.05	30	41
21-29-0267	5137508	1085978	2-60	3 305	16,080	3.86	621	21	13,613	3.59	489	5-69	42	718	.01	28	42
21-29-0269	5573794	1112211	12-61	6 305	19,680	3.30	649	6	16,145	3.39	548	4-70	44	853	-.05	23	41
21-29-0287	5326410	1189870	12-60	4 303	21,278	3.46	737	13	14,988	3.74	561	8-69	44	1,007	-.04	31	52
21-29-0287	5508285	1189870	7-61	4 302	21,295	3.57	760	17	17,633	3.69	650	9-69	44	715	-.01	24	38
21-29-0287	6448522	1189870	5-63	2 305	24,030	3.72	893	8	19,595	3.62	709	3-70	40	737	.02	30	44
21-29-0307	6369244	1417208	11-64	3 216	19,296	3.86	745	15	15,793	3.58	566	6-69	42	819	.05	37	52
21-29-0307	6438669	1417208	11-65	1 305	23,280	3.40	791	14	16,210	3.63	588	9-69	36	978	-.02	33	53
21-29-0308	6183427	1330987	7-64	4 298	18,353	3.37	619	13	14,395	3.60	518	11-69	44	800	.00	29	45
21-29-0308	6686197	1458744	5-66	2 303	18,205	3.52	640	12	14,685	3.71	545	2-70	40	890	-.03	28	46
21-29-0308	6686199	1458744	7-66	2 302	16,770	3.38	566	14	14,540	3.72	541	11-69	40	757	-.04	21	37
21-29-0308	6770159	1458744	2-66	2 305	18,440	3.43	633	10	14,620	3.73	545	12-69	40	919	-.04	27	46
21-29-0308	7019704	1458744	6-66	2 296	20,555	3.45	709	12	14,545	3.66	533	10-69	40	1,141	-.03	36	59
21-29-0364	7250315	1301864	5-67	1 305	22,170	3.89	863	6	14,620	3.40	497	8-69	36	745	.06	36	49
21-29-0365	6166538	1085978	10-64	1 305	18,930	4.00	758	14	14,680	3.45	506</						

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	OO L- LARS	
21-29-0402	6554605	1278644	9-65	3 305	23,950	3.08	738	26	16,597	3.60	598	3-70	42	1,241	24	\$ 52
21-29-0402	6554606	1278644	12-65	3 291	20,603	3.26	671	26	16,277	3.61	587	12-69	42	890	17	37
21-29-0402	6852016	1085978	9-64	2 305	18,775	3.53	662	29	16,020	3.69	591	5-69	40	754	21	37
21-29-0403	5916018	1244009	6-63	4 293	21,068	3.42	720	19	16,965	3.70	628	10-69	44	957	23	44
21-29-0403	6559870	1348259	11-65	3 285	20,220	3.46	699	21	16,610	3.74	622	9-69	42	776	23	39
21-29-0438	5426723	1085978	9-61	4 305	17,603	3.87	682	27	14,335	3.52	505	10-69	44	836	34	50
21-29-0438	6179573	1085978	9-64	4 296	16,985	3.54	601	21	14,490	3.64	528	1-70	44	743	22	38
21-29-0466	5666279	1199324	8-62	6 304	18,213	4.01	730	27	14,695	3.77	554	2-70	44	911	38	55
21-29-0466	6571526	1348259	2-66	2 305	22,280	3.45	769	29	16,515	3.63	599	12-69	40	952	32	51
21-29-0501	6529018	1278644	8-65	3 305	20,690	3.17	655	23	15,810	3.51	555	11-69	42	948	18	40
21-29-0556	5007627	1112211	12-59	6 302	20,297	3.47	705	20	16,328	3.59	586	3-69	44	911	26	45
21-29-0556	5748053	1380707	10-62	5 302	23,458	3.53	827	15	17,048	3.63	619	2-70	36	1,058	33	55
21-29-0624	5607077	1268762	11-61	3 305	19,240	4.16	801	25	14,830	3.79	562	5-69	36	620	37	47
21-29-0624	6407682	1294703	9-64	3 304	20,287	3.80	770	34	15,407	3.80	585	1-70	42	968	32	52
21-29-0649	6358271	1085978	6-65	2 187	18,750	3.57	669	22	15,950	3.59	573	1-69	8 40	758	24	40
21-29-0649	6371524	1085978	4-65	3 249	19,623	3.58	702	16	14,963	3.63	543	11-69	42	985	31	51
21-29-0649	6372871	1085978	5-65	2 272	18,170	3.69	671	23	15,295	3.61	552	1-70	40	759	26	41
21-29-0730	6331853	1239886	4-65	3 299	16,877	3.66	618	27	12,067	3.55	428	11-69	42	672	31	43
21-29-0743	5235312	1344526	12-59	4 305	20,058	3.56	715	16	16,290	3.64	593	2-70	36	681	24	38
21-29-0743	5592781	1124780	10-61	4 301	21,575	4.14	893	22	16,553	3.65	604	11-69	44	733	41	53
21-29-0772	5693059	1378792	7-62	6 297	19,245	3.56	686	44	15,276	3.76	575	10-69	38	824	22	40
21-29-0772	5747947	1400153	7-62	5 289	19,438	3.54	689	39	15,248	3.78	577	2-69	35	751	23	39
21-29-0772	5747948	1400153	7-62	5 305	19,980	3.66	732	42	15,304	3.76	575	2-69	35	825	30	46
21-29-0772	5867804	1268762	5-63	5 295	19,858	3.64	723	29	15,124	3.71	561	4-69	39	739	30	44
21-29-0772	6667017	1378792	6-66	2 305	20,475	3.50	716	36	15,495	3.83	594	1-70	32	840	20	38
21-29-0796	6586034	1438758	2-66	1 305	20,240	3.37	682	115	13,170	3.57	470	9-68	35	951	21	42
21-29-0796	6790042	1450493	5-66	1 305	20,500	3.37	690	93	12,820	3.56	457	9-68	23	830	26	43
21-29-0800	5522648	1085978	1-62	5 300	23,168	3.28	761	21	17,740	3.59	637	10-69	44	1,171	30	55
21-29-0800	5775464	1085978	12-62	3 305	22,330	3.81	851	37	17,733	3.47	616	11-68	42	1,010	41	60
21-29-0800	5974891	1085978	8-63	5 301	20,350	3.66	744	25	17,564	3.51	617	12-69	44	828	30	46
21-29-0800	6554905	1452090	11-65	3 305	24,996	3.16	791	47	18,626	3.45	643	11-69	40	964	19	41
21-29-0800	6712652	1466325	8-66	2 305	24,595	3.31	814	33	18,470	3.48	642	11-69	36	819	22	40
21-29-0800	6712658	1348259	10-66	2 305	22,860	3.38	772	23	19,405	3.47	674	4-70	40	747	25	40
21-29-0800	6712659	1348259	12-66	2 305	24,230	3.02	732	24	19,760	3.42	675	3-70	40	854	21	40
21-29-0800	6712661	1278644	10-66	2 304	23,375	3.43	802	42	19,160	3.44	659	10-69	40	859	22	41
21-29-0886	5408888	1085978	8-61	6 303	18,940	3.80	719	21	16,012	3.80	609	12-69	8 44	826	28	45
21-29-0886	5693841	1085978	8-62	5 258	15,872	4.07	646	17	14,264	3.64	519	5-69	44	633	29	40
21-29-0886	5771940	1189870	2-63	4 305	19,333	4.18	808	19	15,388	3.81	587	3-69	44	722	37	49
21-29-0886	6058571	1239886	12-63	3 285	17,923	3.89	698	16	14,323	3.80	544	9-68	42	559	28	38
21-29-0886	6625289	1406271	5-66	2 296	19,025	4.13	785	20	15,635	3.79	593	10-69	40	792	40	54
21-29-0886	6689657	1448053	10-66	2 305	18,665	4.22	788	16	14,810	3.83	567	10-69	30	617	35	45
21-29-0905	5077270	1344526	10-59	3 305	17,700	3.80	673	50	14,250	3.53	503	10-68	34	579	28	38
21-29-0905	6315735	1278644	12-64	2 305	20,815	3.48	725	20	14,225	3.56	506	4-69	40	1,050	29	51
21-29-0937	6090120	1239886	1-64	3 305	18,553	3.82	709	15	15,307	3.54	542	10-69	42	529	29	38
21-29-0937	6347984	1239886	2-65	3 305	20,507	3.16	647	13	15,177	3.58	543	8-69	42	767	22	38
21-29-0937	6362428	1389777	12-64	3 256	20,800	3.53	735	14	16,116	3.62	583	9-69	37	808	23	40
21-29-0997	6113959	1403286	5-64	2 305	18,465	3.59	663	35	13,240	3.66	485	10-68	30	656	24	37
21-30-0010	6274889	1085978	11-64	4 292	19,748	3.49	689	36	14,788	3.51	519	7-69	44	1,051	33	55
21-30-0012	5048505	1331494	7-59	4 300	20,423	3.73	761	10	16,178	3.64	589	11-69	35	984	33	53
21-30-0014	6729919	1315612	9-66	1 305	25,790	3.43	884	23	15,590	3.60	562	6-69	36	765	26	41
21-30-0014	6793699	1509045	10-66	2 305	25,280	3.39	857	12	16,100	3.76	606	11-69	25	1,189	33	58
21-30-0019	6032562	1239886	2-64	3 301	18,590	3.65	679	9	15,247	3.46	527	11-69	42	540	28	37
21-30-0019	6270091	1239886	1-65	3 295	19,223	3.55	683	7	14,863	3.36	499	7-69	42	652	31	43
21-30-0020	6490473	1348259	12-65	2 305	17,845	3.47	619	16	14,495	3.58	519	6-69	40	687	24	38
21-30-0023	5744197	1085978	9-62	4 305	19,950	3.35	668	25	15,738	3.51	552	10-69	44	970	27	48
21-30-0023	6022519	1239886	1-64	3 299	19,877	3.72	740	21	15,683	3.60	565	2-70	42	643	31	42
21-30-0031	5200002	1179372	9-60	7 305	23,866	3.88	927	27	18,496	3.49	645	6-69	44	957	47	64
21-30-0031	6174913	1432017	6-64	4 305	22,202	3.47	770	21	18,600	3.61	672	3-70	35	1,005	25	47
21-30-0031	6174916	1432017	8-64	3 305	21,063	3.68	776	33	18,413	3.56	655	10-68	33	844	27	44
21-30-0031	6342231	1432017	3-65	3 299	22,133	3.13	693	30	17,983	3.55	639	5-69	33	1,038	18	42
21-30-0031	6499403	1406271	1-66	3 301	22,803	3.44	785	24	18,703	3.60	673	2-70	42	943	34	53
21-30-0031	6608453	1406271	8-66	2 305	23,145	3.48	806	34	18,650	3.54	660	11-69	40	935	36	54
21-30-0031	6797529	1458744	12-66	1 296	21,150	3.84	812	34	18,010	3.49	629	7-69	36	823	33	49
21-30-0033	5265891	1221835	1-61	7 293	19,834	3.28	650	19	14,887	3.37	501	2-70	44	964	27	47
21-30-0033	6797632	1458744	12-66	1 305	19,520	3.57	696	10	14,360	3.46	497	9-69	36	946	34	53
21-30-0055	6341375	1085978	4-65	3 305	17,890	3.09	553	35	14,370	3.45	496	9-69	42	847	19	38
21-30-0055	6447802	1433929	5-65	3 264	18,293	3.79	694	25	14,246	3.76	536	3-70	34	753	30	44
21-30-0062	5846296	1085978	1-63	4 305	19,538	3.56	695	23	14,925	3.56	531	4-69	44	1,010	33	54
21-30-0062	6413510	1348259	4-65	3 305	18,803	3.67	691	25	15,700	3.52	553	12-69	42	707	29	42
21-30-0062	6794859	1348259	10-66	1 305	22,360	3.24	725	26	17,310	3.43	593	1-70	36	765	25	41
21-30-0078	6366295	1348259	9-65	2 305	18,810	3.60	678	27	15,575	3.62	564	3-69	40	686	25	39
21-30-0091	6231742	1221835	10-64	4 301	20,845	3.18	663	21	16,893	3.53	597	10-69	44	842	18	37
21-30-0095	5209270	1085978	9-60	6 305	21,387	3.78	809	31	15,975	3.72	595	10-68	44	1,146		

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES... FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C O	.....C REPT (%)	O W MILK (L8)	I N O FAT (%)	E X FAT (L8)	..... OOL- LARS
21-30-0154	6670478	1348259	12-65	3 299	21,060	3.82	805	8 16,833	3.60	606	2-70	42		849	.04	37	\$ 53
21-30-0154	6935940	1348259	8-66	2 303	23,445	3.49	818	18 18,040	3.56	642	11-69	40		931	.00	33	52
21-30-0189	5801086	1239886	10-62	5 305	18,166	3.68	669	24 14,018	3.57	500	2-70	44		671	.05	31	43
21-30-0189	6266282	1239886	8-64	3 305	20,177	3.32	670	32 14,153	3.67	519	1-69	42		835	-.02	27	44
21-30-0189	6505095	1221835	11-65	2 305	19,135	3.15	603	32 13,895	3.61	501	3-69	40		868	-.08	20	39
21-30-0189	6650044	1348259	9-65	2 305	17,875	3.54	632	30 13,835	3.57	494	4-69	40		750	.00	27	42
21-30-0192	6570383	1458117	4-66	1 290	20,230	3.44	695	20 14,750	3.54	522	5-69	32		782	-.04	22	39
21-30-0200	5767892	1239886	12-62	4 305	20,715	3.77	780	37 13,685	3.55	486	3-69	44		1,002	.06	45	63
21-30-0200	6372467	1216957	2-64	4 305	22,538	2.84	641	65 14,238	3.54	504	12-69	44		1,040	-.11	21	44
21-30-0201	6921106	1330987	1-67	1 305	19,130	3.74	715	20 15,710	3.53	554	11-69	36		613	.06	31	42
21-30-0202	5412844	1226442	7-61	7 302	18,673	3.79	708	79 15,794	3.80	600	12-69	38		610	.03	26	37
21-30-0202	5716833	1368057	12-62	5 299	18,986	3.84	730	85 15,998	3.81	609	1-70	37		622	.02	25	37
21-30-0202	6350196	1372195	3-65	3 299	20,256	3.82	773	105 15,663	3.86	605	6-69	34		732	.01	28	42
21-30-0202	6550255	1372195	3-66	2 305	21,170	3.67	777	101 16,590	3.76	623	12-69	32		671	-.01	23	37
21-30-0202	6656380	1348259	6-66	2 305	19,835	3.71	736	110 16,395	3.83	628	9-69	40		715	.00	26	40
21-30-0202	6667831	1348259	8-66	2 305	19,455	3.91	760	108 16,590	3.84	637	11-69	40		659	.02	27	40
21-30-0202	6667832	1348259	9-66	2 300	18,955	3.97	753	111 16,585	3.84	637	11-69	40		609	.03	26	37
21-30-0202	6716007	1348259	1-67	2 294	22,330	3.92	876	121 16,595	3.74	621	1-70	40		950	.04	40	58
21-30-0202	6716008	1348259	1-67	1 305	21,080	3.86	814	112 16,400	3.75	615	4-69	36		730	.02	30	44
21-30-0202	6716009	1348259	1-67	1 305	19,810	3.76	745	112 16,400	3.75	615	4-69	36		636	.01	25	37
21-30-0202	6839825	1348259	3-67	1 305	19,430	4.00	778	112 16,400	3.75	615	4-69	36		607	.04	27	38
21-30-0202	6873423	1312008	7-67	1 305	21,840	4.05	884	105 16,280	3.81	620	7-69	36		552	.09	33	42
21-30-0202	6873434	1348259	6-67	1 296	20,240	3.58	724	102 16,200	3.81	618	7-69	36		681	-.01	23	37
21-30-0202	6922661	1348259	8-67	1 305	23,480	3.83	900	115 17,120	3.85	659	11-69	36		861	.01	33	50
21-30-0202	6922679	1312008	10-67	1 305	22,140	4.18	926	113 17,230	3.84	661	11-69	36		511	.10	33	41
21-30-0202	6939812	1278644	10-67	1 302	20,990	4.37	917	107 17,070	3.88	663	10-69	36		718	.01	27	41
21-30-0284	6544870	1348259	3-66	2 305	19,245	3.38	651	32 14,840	3.75	557	10-69	40		797	-.04	23	40
21-30-0287	6011143	1272013	10-63	4 305	18,930	3.44	651	15 12,950	3.75	485	8-69	44		977	-.08	24	45
21-30-0297	6008376	1239886	1-64	4 303	20,190	3.59	724	8 16,793	3.53	592	11-69	44		591	.04	27	38
21-30-0309	6174921	1432017	9-64	1 305	23,700	3.08	729	49 18,650	3.53	658	11-69	25		974	-.11	18	40
21-30-0348	5297141	1239886	1-61	6 305	19,648	3.66	719	10 14,537	3.76	547	1-69	44		802	.02	32	47
21-30-0348	6268294	1278644	11-64	3 305	20,203	3.58	723	12 15,667	3.64	571	1-70	42		907	-.05	25	44
21-30-0348	6703160	1348259	10-66	1 305	23,690	3.64	863	13 16,490	3.78	624	1-69	36		919	.00	33	51
21-30-0349	5909030	1388332	10-63	3 305	19,610	3.46	678	31 14,870	3.69	548	2-69	33		763	-.04	22	38
21-30-0349	5909031	1388332	10-63	5 305	20,108	3.70	743	41 14,556	3.64	530	8-69	36		952	.01	36	55
21-30-0349	6893545	1458744	11-67	1 305	16,900	3.66	618	55 14,670	3.63	532	12-69	36		730	-.01	25	40
21-30-0407	4959345	1085978	11-59	7 302	22,941	3.52	808	19 17,576	3.69	648	4-69	44		1,161	-.05	35	59
21-30-0407	5206178	1085978	9-60	4 305	20,270	3.63	736	35 16,878	3.63	612	2-70	44		883	-.02	29	47
21-30-0407	5692856	1245520	8-62	6 305	20,008	4.06	813	23 16,986	3.66	622	3-70	44		677	.04	30	42
21-30-0407	5692859	1245520	11-62	4 298	23,257	3.34	777	18 16,967	3.72	632	2-69	44		1,065	-.10	24	48
21-30-0407	6189582	1085978	8-64	3 292	19,990	3.51	702	48 16,667	3.59	599	9-69	42		851	-.03	26	44
21-30-0407	6497019	1348259	10-65	2 297	19,145	3.59	687	42 16,180	3.56	576	9-69	40		665	.01	25	38
21-30-0407	6758241	1348259	10-66	1 305	18,200	3.93	716	45 15,420	3.69	569	11-69	36		581	.03	26	37
21-30-0407	6936921	1273756	8-67	1 305	20,380	3.67	747	38 15,910	3.74	595	12-69	36		703	.02	29	42
21-30-0451	4782764	1085978	11-58	7 300	15,671	3.55	557	31 13,421	3.49	468	9-69	44		705	-.02	23	37
21-30-0532	6082440	1239885	5-64	4 305	20,863	3.59	748	34 16,280	3.56	579	1-70	44		578	.04	26	37
21-30-0532	6314046	1278644	2-65	3 305	21,017	3.52	739	36 16,207	3.62	587	11-69	42		945	-.06	25	45
21-30-0532	6419296	1348259	12-65	3 305	21,300	3.03	646	41 16,526	3.53	583	3-70	42		909	-.08	21	41
21-30-0532	6567268	1278644	3-66	2 305	22,650	3.05	690	36 16,820	3.56	598	11-69	40		999	-.13	17	40
21-30-0532	6590689	1312008	4-66	2 305	22,855	3.65	834	39 17,165	3.53	606	12-69	40		723	.07	36	49
21-30-0557	7103613	1348259	12-66	1 252	21,180	3.74	793	8 16,590	3.69	613	2-69	8 36		725	.01	28	42
21-30-0638	6893249	1458744	11-66	1 305	19,980	3.56	711	23 15,710	3.59	564	11-69	36		890	-.01	30	48
21-30-0638	6990526	1458744	9-67	1 305	17,930	3.51	630	19 15,330	3.58	549	10-69	8 36		762	-.02	25	41
21-30-0672	5504047	1085978	1-62	6 302	19,288	3.18	613	25 15,220	3.59	547	6-69	44		963	-.09	21	42
21-30-0672	5677305	1085978	9-62	5 305	17,398	3.45	600	29 14,720	3.56	524	10-69	44		777	-.04	22	38
21-30-0672	6131303	1085978	1-64	4 303	17,783	3.37	599	24 13,825	3.63	502	11-69	44		915	-.06	24	44
21-30-0672	6994851	1348259	7-67	1 305	18,700	3.68	689	27 14,350	3.57	513	12-69	36		690	.01	27	40
21-30-0695	5529953	1240125	9-61	5 305	21,348	3.29	702	14 15,948	3.51	559	6-69	44		1,000	-.06	27	48
21-30-0695	5763170	1240125	9-62	3 305	20,863	3.50	731	18 17,167	3.44	591	3-70	42		750	-.01	26	41
21-30-0695	5763172	1239886	9-62	3 305	24,167	3.53	853	29 17,200	3.45	594	2-69	42		979	.04	41	59
21-30-0695	6262829	1221835	1-65	2 305	20,350	3.53	718	37 16,355	3.48	569	10-68	40		767	-.02	25	41
21-30-0821	5785486	1085978	7-62	5 296	20,086	3.35	673	38 17,636	3.50	617	9-69	44		786	-.05	21	38
21-30-0821	5785500	1199324	9-62	4 304	20,042	3.50	702	18 16,867	3.59	605	3-69	44		882	-.03	28	46
21-30-0821	6481102	1421412	1-66	2 297	22,495	3.45	776	40 17,300	3.55	615	9-69	29		909	-.03	29	48
21-30-0821	6760525	1421412	8-66	1 305	23,800	3.37	802	39 17,710	3.54	627	8-69	23		844	-.03	26	43
21-30-0898	6220817	1085978	11-64	4 305	15,658	3.44	539	56 12,558	3.51	441	3-70	44		794	-.03	24	41
21-30-0898	6333023	1221835	4-65	2 305	18,430	3.32	612	63 12,675	3.50	443	3-69	40		908	-.05	26	45
21-30-0919	6267569	1085978	6-63	3 305	22,380	3.58	801	22 16,380	3.60	590	3-69	42		1,156	-.02	38	62
21-30-0919	6755921	1348259	10-65	2 280	19,865	3.72	739	7 16,640	3.68	612	4-70	40		696	.01	27	40
21-30-0919	6929131	1348259	10-66	1 282	20,690	3.44	712	22 1									

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES... FAT (%)	LAST CALVD MO-YR	T C REPT	.....C O W MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS	
21-31-0045	5482232	1239886	11-61	5 280	19,164	3.66	701	27 15,800	3.46	547	6-69	44	593	.06	30	\$ 40
21-31-0045	6062089	1239886	2-63	3 305	19,260	3.57	687	18 14,947	3.65	545	6-69	42	648	.02	27	39
21-31-0046	6500617	1221835	4-65	3 295	19,813	3.20	635	10 14,013	3.63	509	11-69	42	993	-.09	23	45
21-31-0085	6095134	1085978	1-64	3 305	18,727	3.78	708	12 16,373	3.65	598	6-69	42	736	.00	27	42
21-31-0085	6763118	1348259	2-67	1 305	19,890	3.90	776	9 15,850	3.70	586	7-69	36	678	.03	29	42
21-31-0104	6169688	1239242	12-64	4 305	19,788	3.40	673	31 15,623	3.58	559	2-70	44	787	-.04	23	40
21-31-0104	6797323	1261857	3-67	1 305	17,820	3.92	698	35 16,190	3.58	579	10-69	36	608	.10	36	46
21-31-0104	6962518	1261857	12-67	1 305	19,050	3.89	741	38 16,480	3.58	590	12-69	36	681	.09	38	49
21-31-0104	6962519	1377954	12-67	1 303	19,100	3.65	697	35 16,030	3.59	575	1-70	36	616	.03	26	38
21-31-0187	6437278	1312008	10-65	3 301	21,673	3.53	764	8 17,450	3.62	631	3-70	42	635	.03	28	40
21-31-0200	5702612	1239886	9-62	3 305	19,860	3.98	791	23 15,840	3.54	560	4-69	42	624	.10	37	47
21-31-0200	6187907	1085978	11-64	3 305	19,260	3.43	661	45 16,287	3.57	581	10-69	42	807	-.04	23	40
21-31-0215	6353297	1348259	6-65	2 305	25,735	3.52	906	13 15,890	3.67	583	3-69	40	1,360	-.01	47	74
21-31-0215	6783062	1458744	4-67	1 305	18,860	3.24	611	16 14,090	3.76	530	10-69	36	915	-.05	25	44
21-31-0221	5955986	1085978	7-63	3 305	19,017	3.38	643	38 14,393	3.43	494	1-69	42	975	-.03	30	50
21-31-0221	6497284	1085978	8-64	4 293	19,570	3.08	603	29 15,023	3.43	516	4-70	44	1,003	-.09	23	45
21-31-0221	6497285	1085978	8-64	4 301	16,860	3.57	602	47 14,865	3.48	518	10-69	44	685	-.01	23	37
21-31-0221	6497295	1085978	10-64	3 302	18,127	3.43	621	24 14,757	3.48	513	6-69	42	835	-.03	25	42
21-31-0221	6497298	1085978	10-64	3 292	17,873	3.36	601	23 14,423	3.46	499	5-69	42	840	-.04	24	42
21-31-0221	6497299	1085978	10-64	3 305	23,637	3.10	733	20 14,970	3.43	513	5-69	42	1,446	-.09	38	69
21-31-0239	5419544	1085978	7-61	7 296	15,880	3.95	627	19 14,180	3.58	508	2-70	44	644	.03	28	40
21-31-0239	5886440	1085978	6-63	4 289	16,538	3.48	576	14 13,918	3.66	509	3-69	44	751	-.04	21	37
21-31-0239	5886442	1239886	9-63	4 302	17,120	3.74	641	15 13,488	3.64	491	9-69	44	580	.05	28	38
21-31-0239	6891684	1348259	7-67	1 305	19,550	3.55	694	26 14,770	3.53	521	10-69	36	726	.01	27	41
21-31-0261	6268618	1085978	11-64	3 305	19,767	3.24	640	7 15,600	3.45	538	1-70	42	936	-.06	25	45
21-31-0305	5361321	1199324	6-61	5 305	19,504	3.40	663	25 16,166	3.71	599	5-69	44	907	-.06	24	43
21-31-0305	5851247	1085978	9-62	2 305	19,620	3.93	771	33 17,025	3.76	640	5-69	40	748	.01	28	43
21-31-0305	6090056	1026059	8-63	3 305	21,377	4.46	953	32 16,897	3.72	628	2-70	42	790	.08	40	54
21-31-0305	6373661	1085978	9-64	3 285	20,020	3.71	743	23 16,163	3.63	587	5-69	42	907	.00	32	50
21-31-0305	6396842	1303198	8-65	2 305	21,820	3.60	786	36 16,590	3.70	614	12-68	40	737	.00	26	41
21-31-0305	6495759	1426208	11-65	2 305	19,605	4.31	845	24 17,305	3.79	655	7-69	34	427	.11	31	37
21-31-0384	6253293	1085978	9-64	3 263	17,887	3.70	662	11 15,937	3.38	538	5-69	42	685	.02	27	40
21-31-0384	6758379	1458744	1-67	1 305	17,070	3.11	531	21 14,670	3.46	508	10-69	36	742	-.04	21	37
21-31-0389	5205788	1323858	9-60	7 286	19,110	3.81	728	21 15,437	3.70	571	12-68	35	620	.05	29	40
21-31-0392	5475442	1085978	11-61	4 300	16,660	3.37	562	17 13,760	3.45	475	7-69	44	784	-.04	23	39
21-31-0394	6080229	1389471	5-64	3 304	20,660	3.27	675	21 15,277	3.47	530	11-69	42	852	-.07	20	39
21-31-0397	6295935	1085978	3-65	2 291	18,690	3.30	616	16 15,610	3.56	556	12-68	8 40	783	-.06	20	37
21-31-0429	6005225	1239886	1-63	4 305	19,905	3.53	702	44 15,703	3.52	552	8-69	44	677	.02	28	41
21-31-0429	6006916	1240125	10-63	3 305	19,110	3.58	685	50 15,910	3.54	564	9-68	42	678	-.01	23	37
21-31-0429	6361646	1245520	7-65	2 305	23,070	3.02	697	47 16,220	3.56	577	11-68	40	984	-.12	17	40
21-31-0429	6724082	1454456	6-66	2 305	23,240	3.78	878	48 17,810	3.58	637	12-69	36	533	.06	28	37
21-31-0429	6724086	1459339	7-66	2 304	21,725	3.35	728	45 17,925	3.60	646	12-69	36	857	-.07	21	40
21-31-0431	6467082	1085978	8-64	4 291	19,045	3.23	615	16 16,795	3.26	548	2-70	44	741	-.04	21	37
21-31-0436	6597248	1347940	8-66	2 167	16,560	3.32	550	7 13,670	3.50	478	1-70	8 40	826	-.03	26	43
21-31-0446	6265177	1278644	12-65	2 288	17,570	3.84	674	32 12,135	3.48	422	11-68	40	912	-.01	31	49
21-31-0446	6373658	1085978	11-63	4 304	15,750	3.54	557	27 11,963	3.48	416	1-70	44	871	-.02	29	47
21-31-0525	6908033	1348259	7-67	1 305	19,980	3.47	693	19 15,020	3.48	522	12-69	36	741	.00	27	42
21-31-0543	5808612	1239886	3-63	3 305	16,023	4.21	674	8 13,570	3.47	471	12-68	42	418	.12	33	38
21-31-0601	6794503	1261857	11-66	1 305	18,380	3.92	720	62 16,400	3.63	596	10-68	36	636	.09	36	46
21-31-0621	5953718	1244009	11-63	3 305	21,933	3.30	723	34 17,583	3.51	618	6-69	42	965	-.08	23	44
21-31-0621	6190099	1244009	1-64	4 305	19,880	3.44	684	39 16,418	3.58	588	10-69	44	871	-.06	23	42
21-31-0621	6190100	1244009	1-64	3 305	20,847	3.27	682	35 16,403	3.52	577	11-68	42	962	-.08	23	44
21-31-0621	6248590	1244009	11-64	4 305	21,543	3.25	701	36 18,323	3.44	631	1-70	44	865	-.08	20	39
21-31-0621	6542063	1461450	1-66	2 305	21,070	3.50	738	37 16,895	3.61	610	7-69	34	790	-.04	23	40
21-31-0621	6772717	1469779	8-66	2 305	21,520	3.81	819	44 17,655	3.53	624	1-70	35	472	.10	31	38
21-31-0621	6772718	1467915	8-66	1 305	18,770	4.20	789	48 17,090	3.58	611	8-69	30	487	.09	31	38
21-31-0621	6772719	1467915	8-66	2 305	20,820	3.73	776	50 17,590	3.57	628	11-69	35	700	.05	33	46
21-31-0621	6772732	1472785	11-66	1 305	23,260	3.57	831	27 18,290	3.24	593	2-69	28	842	.00	31	48
21-31-0621	6772733	1472785	11-66	2 305	23,140	3.41	789	36 18,275	3.41	623	1-70	34	961	-.03	30	50
21-31-0621	6933449	1239242	7-67	1 305	24,940	2.92	729	45 17,050	3.62	618	8-69	36	895	-.10	18	38
21-31-0661	6062860	1085978	1-64	4 302	20,115	3.16	636	6 17,333	3.36	583	6-69	44	813	-.06	20	38
21-31-0693	5985280	1239886	12-63	4 302	21,020	3.38	711	35 16,795	3.49	586	10-69	44	694	.01	26	40
21-31-0693	6128814	1240125	5-64	3 305	21,847	3.38	738	38 16,153	3.49	564	11-68	42	968	-.04	29	49
21-31-0693	6672511	1348259	10-66	2 305	25,540	3.14	802	41 17,800	3.38	601	3-70	40	1,166	-.05	35	59
21-31-0693	7057921	1348259	12-67	1 305	21,780	3.28	714	37 17,560	3.32	583	2-70	36	705	.00	25	39
21-31-0738	5943562	1404788	8-63	5 305	24,060	3.55	854	21 18,404	3.56	655	1-70	44	745	.01	28	43
21-31-0738	6479690	1199077	9-65	2 219	22,250	3.52	783	24 18,050	3.59	648	10-68	8 35	710	.00	26	40
21-31-0738	6937275	1199077	7-67	1 305	22,440	4.45	998	13 19,910	3.63	723	3-70	31	475	.12	34	41
21-31-0895	5187426	1085978	9-60	7 293	19,914	3.38	674	20 16,179	3.55	574	1-70	8 44	932	-.05	26	46
21-31-0939	5919857	1239886	8-63	4 302	20,490	3.76	770	24 16,928	3.44	582	4-69	44	614	.07	33	43
21-31-0939	6898318	1348259	5-67	1 305	20,260	4.17	844	31 17,350	3.50	608	12-69	36	605	.08	33	43
21-32-0003	5623079	1085978	5-62	6 302	21,823	4.05										

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW MO-YR	..COW'S RECS	AVERAGE DAYS	PRODUCTION MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO.	AVERAGES... MILK (L8)	FAT (%)	FAT (L8)	LAST CALVD MO-YR	T D	.....C O W REPT (%)	MILK (L8)	I N D E X FAT (%)	FAT (L8)	..... DOL- LARS
21-32-0094	6926029	1347940	7-67	1	305	16,360	3.88	634	16	14,310	3.70	529	11-69	36		725	.01	28	\$ 42
21-32-0094	6926031	1347940	8-67	1	305	18,620	4.04	752	14	14,230	3.66	521	12-69	36		899	.03	37	54
21-32-0094	6926033	1347940	11-67	1	305	19,690	3.52	694	16	14,310	3.70	529	11-69	36		973	-.02	32	52
21-32-0094	7097483	1347940	11-67	1	305	15,980	3.67	586	16	14,310	3.70	529	11-69	36		697	-.01	24	38
21-32-0094	7134952	1347940	1-68	1	305	17,480	3.92	686	8	14,420	3.60	519	1-70	36		801	.02	32	47
21-32-0096	6392502	1370843	10-65	3	305	24,160	2.90	701	10	16,373	3.57	585	4-70	32		1,101	-.16	15	41
21-32-0097	5474952	1085978	9-61	6	305	18,170	3.69	670	28	16,008	3.77	604	1-70	44		727	-.03	22	37
21-32-0097	5915518	1272013	11-63	4	301	22,565	3.47	782	48	16,008	3.80	608	10-69	44		1,086	-.09	26	50
21-32-0097	6048195	1239886	12-63	5	299	19,372	4.06	787	41	16,450	3.77	620	10-69	44		545	.09	32	41
21-32-0097	6582074	1348259	10-65	3	296	19,273	3.75	722	42	16,203	3.81	617	12-69	42		709	.00	26	40
21-32-0097	6735869	1348259	9-65	2	305	21,585	3.30	713	13	15,790	3.85	608	3-69	40		948	-.06	25	45
21-32-0097	6735874	1278644	1-67	1	305	24,180	3.43	829	29	17,310	3.73	645	10-69	36		939	-.08	22	43
21-32-0097	7045997	1348259	7-67	1	305	20,880	3.92	818	31	17,420	3.67	640	10-69	36		647	.04	29	41
21-32-0113	6007261	1239886	11-63	4	300	25,125	3.22	810	18	16,280	3.48	567	2-70	44		1,258	-.04	40	66
21-32-0113	6041511	1085978	1-64	5	287	19,160	3.31	634	15	16,156	3.39	547	2-70	44		838	-.04	24	42
21-32-0124	6136001	1085978	8-64	2	295	22,215	3.19	708	33	16,060	3.37	542	8-69	40		1,100	-.06	31	54
21-32-0124	6136002	1085978	8-64	4	301	19,923	3.57	712	31	16,173	3.44	557	10-69	44		918	-.01	32	50
21-32-0124	6159812	1085978	10-64	4	291	21,845	3.87	845	32	16,898	3.41	576	1-70	44		1,075	.05	46	66
21-32-0124	6630352	1348259	8-66	2	301	22,625	3.47	784	29	16,965	3.37	572	1-70	40		946	.01	35	54
21-32-0124	6796951	1261857	1-67	1	305	20,630	3.61	745	24	17,780	3.49	620	2-69	36		711	.07	36	48
21-32-0139	4188620	1006864	9-55	7	305	20,271	3.90	790	24	15,643	3.53	552	12-69	44		494	.11	34	41
21-32-0139	5704901	1303179	7-62	5	305	21,912	3.47	761	18	17,166	3.55	610	3-70	36		786	-.02	26	42
21-32-0139	5895852	1189870	6-63	3	305	21,377	3.28	702	23	16,543	3.63	600	9-69	42		808	-.05	22	39
21-32-0139	5988837	1085978	9-62	5	305	25,108	3.70	930	23	17,394	3.54	615	2-69	44		1,461	.01	54	83
21-32-0142	5577607	1346879	10-61	5	305	22,318	3.25	726	12	16,072	3.42	550	2-69	35		1,082	-.07	29	52
21-32-0142	6195745	1453050	9-64	4	300	21,078	3.51	739	28	16,473	3.46	570	11-69	33		668	.00	24	37
21-32-0142	6432077	1259069	1-65	3	268	21,973	3.02	664	24	15,033	3.63	545	11-69	42		962	-.13	16	38
21-32-0160	6961298	1348259	7-67	1	305	18,660	3.78	705	11	13,720	3.57	490	12-69	36		730	.02	30	44
21-32-0163	6800260	1278644	10-66	2	305	22,340	3.00	670	21	17,490	3.34	584	12-69	40		907	-.11	16	37
21-32-0163	6943594	1348259	11-67	1	305	25,300	2.48	627	13	18,280	3.13	573	1-70	36		919	-.10	19	40
21-32-0168	5737644	1298197	9-62	3	299	18,987	3.50	664	18	14,290	3.54	506	2-69	42		820	-.05	22	40
21-32-0168	5884297	1189870	5-63	3	298	18,057	3.50	632	17	13,553	3.48	472	12-69	42		735	.00	27	41
21-32-0168	5920247	1199324	10-63	4	302	18,887	3.45	652	38	15,317	3.49	535	11-69	44		911	-.02	30	49
21-32-0169	5477332	1085978	9-61	6	303	20,808	3.65	759	23	16,155	3.73	603	9-69	44		1,050	-.03	34	55
21-32-0169	5683001	1252934	10-62	4	305	19,510	3.95	770	16	16,288	3.83	624	10-68	44		577	.04	27	37
21-32-0169	6430350	1348259	9-65	2	305	19,700	3.38	665	10	15,400	3.62	557	7-69	40		793	-.02	25	41
21-32-0169	6430352	1252934	10-65	3	305	20,520	3.88	796	18	16,133	3.71	599	4-70	42		683	.04	31	43
21-32-0169	6700817	1466511	9-66	2	305	20,305	3.33	676	31	16,215	3.71	601	11-69	36		773	-.05	20	37
21-32-0169	6700819	1312008	10-66	2	303	20,695	3.71	768	29	16,395	3.69	605	11-69	40		575	.06	29	39
21-32-0174	6019583	1429519	12-63	4	305	18,075	3.47	627	38	14,237	3.45	491	3-70	34		736	-.02	23	38
21-32-0174	6464840	1429519	12-65	2	305	20,655	3.35	691	29	14,920	3.44	513	5-69	29		885	-.04	26	45
21-32-0176	6192853	1221835	10-64	4	297	19,875	3.26	647	22	15,418	3.62	558	9-69	44		886	-.08	20	40
21-32-0176	6203461	1433779	8-64	4	303	21,200	3.18	674	18	15,040	3.63	546	8-69	35		998	-.09	22	44
21-32-0180	4901104	1192713	6-59	8	305	19,474	3.60	701	34	15,978	3.72	594	10-69	44		817	-.02	27	44
21-32-0180	5946080	1282936	11-63	3	294	19,517	4.26	831	29	15,533	3.76	584	12-68	42		714	.08	37	49
21-32-0180	6193305	1282936	7-64	4	305	21,208	3.23	685	28	15,420	3.72	574	11-69	43		965	-.09	22	43
21-32-0180	6305437	1268294	1-65	3	305	22,613	3.55	803	32	15,710	3.69	579	7-69	42		1,061	-.05	31	53
21-32-0180	6750790	1347467	6-66	2	305	21,590	3.42	738	39	15,940	3.67	585	8-69	40		787	-.01	27	43
21-32-0181	6101952	1239886	2-64	4	305	19,718	3.59	708	65	16,023	3.48	557	10-69	44		619	.05	29	40
21-32-0181	6135550	1085978	10-64	3	300	22,320	3.36	750	61	16,290	3.50	570	11-69	42		1,158	-.05	34	58
21-32-0181	6214353	1085978	10-64	3	302	21,853	3.37	737	20	17,730	3.37	598	6-69	42		955	-.03	30	50
21-32-0181	6603269	1348259	9-65	3	302	19,536	3.35	654	29	16,503	3.50	577	3-70	42		708	-.02	23	37
21-32-0181	6651445	1240125	6-66	2	294	21,305	3.47	739	76	16,615	3.51	583	9-69	40		801	-.02	26	42
21-32-0181	6651446	1464428	8-66	2	300	23,340	3.15	736	77	16,695	3.51	586	10-69	36		1,165	-.13	22	48
21-32-0181	6842066	1347940	5-67	1	305	19,530	3.40	664	58	17,110	3.54	605	8-69	36		774	-.02	25	41
21-32-0181	6842067	1347940	6-67	1	305	19,350	3.31	641	66	17,180	3.50	602	9-69	36		756	-.03	23	39
21-32-0182	5947265	1085978	9-63	4	305	16,923	3.56	602	19	13,710	3.57	490	12-69	44		822	-.02	26	43
21-32-0182	5947267	1085978	11-63	4	305	15,510	3.55	550	20	12,860	3.51	451	10-69	44		742	-.02	24	39
21-32-0186	6233235	1085978	3-64	4	303	20,458	3.49	713	15	16,405	3.55	582	2-70	44		959	-.04	29	49
21-32-0193	6424568	1348259	9-65	1	305	23,720	3.22	763	25	16,770	3.61	605	7-69	36		902	-.04	27	46
21-32-0193	6831174	1282936	3-67	1	305	23,320	3.56	830	37	17,440	3.66	639	9-69	35		725	-.01	24	39
21-32-0195	6234825	1221835	12-64	3	305	21,070	3.38	712	14	13,660	3.44	470	1-70	42		1,174	-.04	36	60
21-32-0195	6689681	1348259	11-66	2	298	19,730	3.47	685	20	14,345	3.43	492	10-69	40		892	.01	33	51
21-32-0202	6063526	1085978	1-64	3	305	19,137	3.78	724	15	16,487	3.64	600	4-69	42		772	.00	28	43
21-32-0202	6319285	1347940	5-65	3	300	17,460	3.62	632	15	15,870	3.53	561	9-69	42		723	.01	27	41
21-32-0202	7025281	1347940	8-67	1	305	19,430	4.05	786	10	16,680	3.79	632	1-70	36		795	.02	32	47
21-32-0202	7179436	1347940	11-67	1	305	20,90													

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVO C MO-YR O	.....C O W MILK (LBS)	I N O E X..... FAT (%) FAT (LBS) OOL- LARS
21-32-0226	6214342	1389471	2-64	3 305 22,313 3.44 768	16 18,120 3.34 606	12-69	42 748	-.03 23 \$ 39
21-32-0232	6216966	1239242	12-64	1 305 23,170 3.66 848	6 16,960 3.46 586	11-69	36 769	.01 29 44
21-32-0235	6640386	1348259	5-66	2 305 19,600 3.85 755	12 16,270 3.40 553	12-69	40 703	.06 34 46
21-32-0235	7062318	1261857	7-67	1 305 22,450 3.16 710	18 16,600 3.55 589	10-69	36 926	.02 36 54
21-32-0303	5942595	1124780	3-62	4 305 20,480 3.52 721	24 14,670 3.58 525	2-70	44 807	.00 29 45
21-32-0311	6729007	1348259	8-66	2 305 17,590 3.55 625	22 14,360 3.61 518	10-69	40 673	.00 24 37
21-32-0352	5984421	1240125	11-62	5 304 17,590 4.04 710	31 15,106 3.70 559	10-69	44 613	.05 29 40
21-32-0352	6088386	1085978	10-63	4 305 18,610 3.46 644	25 15,490 3.63 562	8-69	44 832	-.05 23 41
21-32-0409	7062320	1261857	8-67	1 305 19,020 3.46 659	43 16,280 3.45 561	10-69	36 692	.06 34 46
21-32-0461	6180209	1085978	9-64	4 304 20,368 3.30 673	37 14,258 3.50 499	11-69	44 1,186	-.06 34 59
21-32-0461	6180211	1085978	10-64	3 303 18,020 3.38 609	25 15,090 3.49 527	2-70	42 788	-.04 23 40
21-32-0512	5519244	1085978	9-61	7 298 17,777 3.12 555	16 14,480 3.49 505	7-69	44 854	-.08 19 38
21-32-0538	6919429	1348259	9-67	1 305 20,110 3.38 679	21 14,580 3.56 519	8-69	36 780	-.01 26 42
21-32-0569	5868529	1085978	9-63	4 300 18,393 3.49 642	22 16,338 3.49 570	11-68	44 711	-.02 22 37
21-32-0569	5914270	1242163	11-63	3 297 20,553 3.45 710	22 15,647 3.51 549	8-69	42 949	-.12 16 38
21-32-0569	6447693	1452988	12-65	3 305 19,223 3.92 754	28 16,633 3.52 586	3-70	37 571	.07 31 41
21-32-0653	5294802	1199324	2-61	7 295 17,382 3.66 637	33 15,495 3.57 553	9-69	44 711	.00 26 40
21-32-0653	5360915	1085978	2-61	4 305 19,770 3.45 683	26 15,800 3.60 569	4-70	44 941	-.05 27 47
21-32-0653	5975111	1085978	12-63	2 305 23,940 3.10 742	31 15,870 3.33 529	7-69	40 1,292	-.08 35 63
21-32-0653	6532424	1348259	2-66	2 305 17,615 3.85 678	20 15,700 3.47 545	7-69	40 553	.05 27 37
21-32-0653	6532426	1348259	3-66	2 297 20,560 3.60 741	22 15,740 3.48 547	9-69	40 849	.02 33 49
21-32-0707	5388081	1085978	8-61	6 305 18,697 3.48 650	9 14,192 3.63 515	8-69	44 1,006	-.04 30 51
21-32-0716	5725293	1404202	11-62	5 294 17,882 3.59 642	29 14,194 3.57 507	11-68	44 777	-.05 20 37
21-32-0746	6118282	1237057	8-64	2 305 20,580 3.53 648	42 14,970 3.53 528	12-68	40 877	-.09 18 38
21-32-0746	6436762	1237057	7-65	3 304 19,073 3.73 711	51 14,800 3.53 523	9-69	42 788	-.01 27 43
21-32-0832	6406015	1085978	1-65	2 298 17,210 3.71 638	16 14,630 3.83 560	1-70	40 722	-.03 22 37
21-32-0851	5485586	1189870	12-61	3 296 20,693 3.94 816	31 17,127 3.75 642	9-69	42 669	.04 30 42
21-32-0853	5820881	1085978	11-62	5 301 19,924 3.64 726	17 17,222 3.77 649	1-69	44 813	-.04 24 41
21-32-0853	6203609	1278644	11-64	4 305 22,740 3.54 804	13 18,700 3.72 695	4-70	44 914	-.07 22 42
21-32-0853	6424662	1348259	8-65	3 305 23,893 3.51 839	15 19,043 3.71 706	2-70	42 946	-.03 30 49
21-32-0853	7049562	1348259	9-67	1 305 21,350 3.74 798	22 17,190 3.64 625	8-69	36 697	.02 28 41
21-32-0957	7180142	1348259	2-67	1 305 20,730 3.62 750	27 15,970 3.63 580	8-69	36 733	.01 28 42
21-32-0994	4884857	1085978	8-59	2 305 16,290 3.54 577	9 12,685 3.49 443	9-68	40 806	-.02 26 42
21-33-0017	5876933	1252934	5-63	4 303 19,173 3.72 713	19 15,655 3.44 538	1-70	44 605	.05 29 40
21-33-0017	5997649	1245520	10-63	4 293 20,665 3.44 711	31 15,285 3.53 539	10-69	44 932	-.05 26 46
21-33-0048	5966367	1085978	6-63	4 301 16,053 3.62 581	15 13,663 3.53 482	10-69	44 719	-.01 24 39
21-33-0048	7232520	1348259	4-67	1 305 22,600 3.22 728	9 14,920 3.55 530	11-69	36 943	-.03 29 49
21-33-0102	6095829	1221835	7-64	4 296 17,858 3.12 557	7 13,270 3.41 452	3-70	44 876	-.07 21 40
21-33-0149	5970043	1417043	3-63	4 300 20,700 3.33 689	22 14,965 3.39 507	6-69	33 1,003	-.03 31 52
21-33-0149	5970049	1239242	10-63	4 302 20,840 3.43 714	15 15,370 3.57 549	2-69	44 945	-.03 29 49
21-33-0149	6314878	1239242	10-64	2 282 20,550 3.48 716	14 15,880 3.59 570	1-69	40 761	-.02 24 40
21-33-0466	5015392	1060259	8-59	7 305 18,556 3.18 590	11 14,329 3.55 508	4-69	44 879	-.09 19 39
21-33-0517	6236577	1085978	9-64	4 297 23,830 3.32 791	51 17,115 3.54 606	8-69	44 1,296	-.07 36 64
21-33-0517	6533029	1406271	1-66	2 305 22,800 3.31 754	35 16,745 3.49 585	5-69	40 1,074	.00 38 59
21-33-0517	6586131	1406271	2-66	2 300 18,440 3.68 678	35 16,745 3.49 585	5-69	40 632	.05 30 41
21-33-0517	6586134	1406271	7-66	2 301 21,960 3.67 806	59 16,660 3.45 575	9-69	40 997	.05 44 62
21-33-0517	6634837	1348259	12-65	3 289 21,350 3.30 704	43 17,303 3.50 605	1-70	42 834	-.03 25 42
21-33-0517	6707260	1406271	9-66	1 305 27,520 3.40 936	33 16,790 3.52 591	3-69	36 1,279	.01 48 73
21-33-0517	6707261	1406271	9-66	2 289 22,045 3.34 736	51 16,985 3.43 582	12-69	40 976	.01 36 55
21-33-0517	6772756	1406271	10-66	1 305 20,500 4.24 869	49 16,470 3.48 573	12-68	36 778	.11 44 57
21-33-0517	6772758	1406271	12-66	1 305 23,100 3.90 901	34 17,350 3.52 611	4-69	36 913	.07 44 60
21-33-0517	6772763	1484127	12-66	2 305 24,505 3.31 812	28 17,075 3.51 600	4-70	25 980	-.05 28 49
21-33-0517	6824814	1406271	1-67	2 292 19,865 3.95 784	34 17,520 3.42 599	2-70	40 706	.10 40 52
21-33-0517	6843617	1406271	4-67	1 287 19,570 3.92 768	59 17,300 3.49 604	9-69	36 653	.07 34 45
21-33-0517	6949717	1406271	8-67	1 305 19,070 3.50 667	60 17,160 3.47 595	8-69	36 625	.03 27 39
21-33-0517	6964668	1222994	7-67	1 305 21,690 3.50 759	66 17,260 3.49 602	8-69	36 676	.00 24 37
21-33-0517	6989068	1406271	9-67	1 289 19,480 3.66 713	61 17,660 3.44 608	10-69	36 622	.05 30 41
21-33-0817	5472784	1049547	8-61	5 296 21,250 3.30 701	17 16,004 3.54 566	2-70	44 905	-.09 20 40
21-33-0895	6690441	1348259	1-66	2 298 21,680 3.45 747	13 18,760 3.56 668	10-69	40 687	-.01 23 37
21-33-0895	6749787	1223243	3-65	3 305 26,660 3.56 949	17 17,983 3.61 649	12-69	42 1,329	-.02 45 72
21-34-0004	6033146	1085978	11-63	5 266 20,446 3.40 696	20 16,386 3.53 579	12-69	8 44 977	-.05 28 49
21-34-0007	5548960	1348259	4-61	5 305 21,658 3.43 742	9 16,144 3.65 590	10-68	44 1,057	-.03 34 56
21-34-0007	5671427	1085978	12-61	5 305 21,194 3.25 689	8 14,374 3.65 524	3-69	44 1,307	-.09 34 62
21-34-0014	5910962	1085978	1-62	4 305 16,963 3.20 543	15 13,475 3.47 468	10-69	44 853	-.07 21 40
21-34-0016	5417989	1085978	9-61	4 305 15,448 3.57 551	11 12,400 3.51 435	10-69	44 785	-.02 26 42
21-34-0044	5678454	1085978	11-62	3 305 19,180 3.76 722	9 14,637 3.50 513	5-69	42 968	.01 37 56
21-34-0074	5760527	1239886	11-62	4 292 23,370 3.49 815	5 16,233 3.63 589	5-69	44 1,046	.00 38 59
21-34-0095	5806022	1112211	3-62	5 299 15,786 3.93 620	28 13,656 3.46 473	4-69	44 639	.03 28 40
21-34-0102	4706411	1298377	10-58	7 305 21,048 3.31 697	21 14,645 3.50 513	11-68	36 903	-.05 25 44
21-34-0102	5454950	1199324	9-61	6 282 18,323 3.38 619	23 14,670 3.51 515	5-69	44 928	-.04 28 47
21-34-0111	6742059	1458744	10-66	1 305 16,160 3.40 550	18 14,390 3.43 493	8-69	36 693	-.01 23 37
21-34-0111	7073288	1458744	10-67	1 305 18,180 3.94 717	25 16,220 3.50 568	1-70	36 721	.03 30 44
21-34-0122	6364484	1423129	10-63	3 298 21,120 3.53 746	21 15,780 3.81 602	10-68	29 787	-.04 22 39
21-34-0123	6683050	1348259	8-66	2 305 21,885 3.02 661	21 16,335 3.48 569	1-70	40 929	-.07 23 43
21-34-0216	6700939	1348259	10-66	1 305 20,390 3.75 764	21 16,420 3.84 631	3-69	36 677	.00 25 38
21-34-0216	6700942	1348259	11-66	2 303 18,850 3.79 714	32 16,450 3.72 612	11-69	40 610	.02 25 37
21-34-0216	6701087	1085978	2-65	3 305 19,823 3.65 724	32 16,333 3.70 605	1-70	42 867	-.02 28 46
21-34-0282	4954389	1060259	1-59	7 305 18,296 3.40 622	31 12,846 3.60 463	11-68	44 1,017	-.06 28 50
21-34-0282	4954390	1060259	2-59	7 281 17,986 3.40 611	30 13,180 3.60 474	5-69	44 938	-.05 26 46
21-34-0402	6129035	1239886	4-64	1 294 23,320 3.44 802	21 16,940 3.62 613	1-70	36 652	.01 25 38
21-34-0402	6170137	1085978	11-64	4 304 18,545 3.86 716	15 16,785 3.62 608	12-69	44 680	.02 27 40
21-34-0455	5556385	1085978	4-62	3 305 16,600 3.21 533	47 12,070 3.65 441	1-69	42 937	-.07 23 43
21-34-0472	5671319	1085978	6-61	5 305 19,442 3.29 640	13 15,414 3.57 550	10-69	44 960	-.06 25 46
21-34-0472	5966062	1085978	10-62	4 305 19,420 3.19 620	9 15,573 3.53 550	5-69	44 923	-.08 22 42
21-34-0553	5723456	1252934	10-62	2 305 20,015 3.60 721	12 14,645 3.54 519	10-68	40 711	.02 28 42

TABLE 3. HOLSTEIN USOA-OMIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW 8GRN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8)	I N O E X..... FAT FAT (L8) (L8)	..... OOL- LARS
21-34-0555	6181421	1085978	11-64	4 304 19,375 3.69 714	11 17,110 3.73 638	12-69	44	747	-.03 23 \$ 38
21-34-0555	6667018	1378792	6-66	2 298 20,240 3.57 723	23 15,775 3.70 584	9-69	32	784	-.04 22 39
21-34-0603	5862487	1245520	5-63	3 305 17,433 3.64 634	33 13,110 3.62 475	10-68	42	744	-.03 22 38
21-34-0665	5555840	1199324	10-61	7 304 19,261 3.59 691	26 15,821 3.63 574	10-69	44	915	-.02 30 49
21-34-0665	6172718	1418805	6-64	4 303 19,523 3.71 724	21 15,865 3.64 578	10-69	33	646	.00 24 37
21-34-0665	6953735	1261857	9-67	1 305 17,290 3.59 620	27 15,460 3.45 533	9-69	36	618	.07 33 43
21-34-0749	5299588	1085978	2-61	5 305 17,998 3.20 576	37 14,820 3.54 525	7-69	44	843	-.08 19 38
21-34-0749	5536019	1240125	11-61	5 303 18,950 3.55 673	40 15,072 3.55 535	11-69	44	792	-.02 26 42
21-34-0749	5764955	1240125	12-62	4 293 19,340 3.35 648	41 15,383 3.57 549	1-70	44	788	-.04 22 39
21-34-0749	6182761	1085978	4-64	4 305 19,305 3.38 652	31 15,158 3.67 557	3-70	44	955	-.06 25 46
21-34-0749	6521859	1312008	1-66	2 284 19,070 3.62 690	81 15,120 3.51 531	9-69	40	526	.06 28 37
21-34-0749	7029823	1261857	7-67	1 305 19,360 3.53 684	61 16,170 3.67 594	12-69	36	725	.05 34 47
21-34-0841	4900002	1094074	8-59	9 294 19,189 4.06 779	18 14,943 3.72 556	9-69	44	557	.05 27 37
21-34-0841	5434874	1085978	10-61	3 296 17,103 3.74 639	18 14,937 3.75 560	1-69	42	698	-.01 23 37
21-34-0841	5902277	1085978	11-63	3 283 18,140 3.54 642	15 15,203 3.72 566	12-68	42	790	-.04 22 39
21-34-0878	6100272	1330587	2-64	4 252 17,735 3.84 681	26 13,120 3.54 465	7-69	8 44	866	.07 42 57
21-34-0880	5545729	1189870	1-62	5 268 21,502 3.77 811	6 16,814 3.46 581	6-69	8 44	856	.05 39 55
21-34-0880	6597092	1348259	3-66	1 305 20,970 3.62 760	13 16,890 3.45 583	10-68	36	689	.02 28 41
21-34-0884	5885141	1239886	5-63	4 285 17,620 4.04 711	14 14,858 3.55 527	2-70	H 44	489	.10 32 39
21-34-0884	5885143	1085978	8-63	4 300 19,280 3.58 691	12 15,010 3.61 542	4-70	44	968	-.03 31 51
21-34-0884	6869754	1348259	2-66	2 305 17,080 3.63 620	20 13,455 3.56 479	9-69	40	704	.01 27 41
21-34-0884	7124238	1348259	10-67	1 305 20,550 3.39 696	22 13,560 3.54 480	11-69	36	881	-.01 30 48
21-34-0887	6876457	1348259	7-66	2 305 20,865 3.22 671	17 15,940 3.36 535	1-70	40	861	-.03 27 45
21-35-0013	6293818	1085978	3-65	3 281 21,953 3.38 742	17 15,423 3.42 528	1-70	8 42	1,206	-.04 38 63
21-35-0013	6466429	1085978	2-65	3 305 18,020 3.62 653	15 15,210 3.39 515	11-69	42	776	.01 29 44
21-35-0013	6482905	1085978	3-65	3 284 19,070 3.30 630	14 15,013 3.42 513	1-70	B 42	917	-.05 26 45
21-35-0013	6597243	1085978	9-64	4 287 17,743 3.48 617	19 15,365 3.46 532	10-69	44	739	-.02 23 38
21-35-0013	6597245	1245520	1-65	3 292 21,053 3.17 667	20 15,546 3.36 522	8-69	42	909	-.08 21 41
21-35-0016	5412576	1179372	5-61	7 302 18,634 3.57 665	22 15,707 3.35 526	9-69	44	606	.04 27 38
21-35-0016	6084619	1216957	1-64	3 305 21,843 3.80 831	18 15,347 3.44 528	12-68	42	775	.08 39 52
21-35-0016	6084620	1199324	2-64	4 296 18,932 3.37 638	17 15,247 3.46 528	7-69	44	925	-.03 29 48
21-35-0021	6894256	1348259	9-67	1 305 17,850 3.76 672	7 13,730 3.42 469	1-70	36	669	.03 29 41
21-35-0025	5517519	1085978	11-61	5 302 20,742 3.74 775	14 15,148 3.61 547	11-69	44	1,159	.00 42 65
21-35-0025	6083490	1085978	9-63	3 305 19,327 3.43 662	12 15,287 3.67 561	1-69	42	918	-.05 25 45
21-35-0026	5993422	1085978	9-63	4 301 21,895 3.83 838	37 16,168 3.56 576	12-69	44	1,163	.03 46 68
21-35-0026	6736561	1348259	9-66	2 303 19,920 3.44 685	35 16,750 3.50 587	12-69	40	692	-.01 24 38
21-35-0026	6794740	1348259	2-67	1 305 21,490 3.43 737	26 15,290 3.53 539	8-69	36	835	-.01 29 46
21-35-0029	5503618	1215958	12-61	6 305 22,433 3.48 780	27 18,238 3.64 664	4-70	43	864	-.03 26 44
21-35-0029	6239068	1199077	7-64	4 305 24,160 3.37 814	45 20,355 3.59 730	10-69	39	783	-.04 23 39
21-35-0029	6434998	1348259	12-65	2 305 25,680 3.40 873	44 21,130 3.54 748	9-69	40	876	-.02 28 46
21-35-0029	6479699	1438533	10-65	3 305 25,673 3.32 852	37 20,330 3.63 738	11-69	36	1,075	-.10 24 48
21-35-0029	6479705	1276654	8-65	3 305 25,513 3.41 870	38 20,557 3.59 739	1-70	42	787	-.04 22 39
21-35-0029	6479721	1199077	12-65	2 305 24,550 3.51 862	38 21,050 3.52 742	9-69	35	666	.01 25 38
21-35-0029	6773900	1438533	3-66	2 261 25,840 3.60 929	28 21,100 3.56 751	11-69	8 33	937	-.03 29 48
21-35-0040	6245039	1416743	10-64	2 305 19,080 3.66 699	30 14,415 3.76 542	12-68	34	698	.01 27 41
21-35-0040	6917465	1417208	7-67	1 305 16,780 3.77 632	13 13,730 3.72 511	10-69	36	660	.01 26 39
21-35-0040	7184215	1377691	10-67	1 305 23,610 3.33 786	30 14,370 3.69 530	1-70	36	915	-.05 25 44
21-35-0044	5487234	1085978	9-61	6 298 19,747 3.41 673	36 15,337 3.49 535	10-68	44	1,009	-.04 30 51
21-35-0050	4327627	1239886	1-57	3 305 22,570 3.15 710	35 18,033 3.41 615	12-68	42	709	-.02 22 37
21-35-0050	6278972	1438533	1-65	3 305 23,656 3.08 728	27 19,333 3.27 632	3-69	36	930	-.09 20 41
21-35-0050	6587540	1438533	1-66	2 305 24,800 3.16 784	23 19,515 3.42 667	9-69	33	981	-.09 22 44
21-35-0050	6777024	1478272	10-66	2 305 25,195 3.44 866	35 20,215 3.35 678	1-70	34	1,071	.02 41 62
21-35-0050	6777029	1348259	2-67	1 305 25,900 3.28 849	19 21,050 3.37 710	7-69	36	778	-.01 26 42
21-35-0067	4814407	1085978	9-58	6 305 22,046 3.09 682	20 16,302 3.56 580	5-69	44	1,193	-.11 26 53
21-35-0067	5905869	1408080	8-63	5 299 22,658 2.89 655	31 15,882 3.54 563	10-69	42	1,169	-.17 17 44
21-35-0068	6856439	1348259	12-65	1 304 23,030 3.54 815	16 18,330 3.58 657	11-69	36	746	.00 27 42
21-35-0068	6856441	1348259	1-67	1 302 22,790 3.30 752	12 18,030 3.56 642	9-69	36	748	-.03 23 39
21-35-0068	6856444	1348259	8-66	1 305 19,640 3.57 701	7 15,890 3.59 570	8-69	36	657	.01 25 38
21-35-0068	6856448	1348259	2-67	1 305 21,130 3.49 738	7 15,890 3.59 570	8-69	36	768	.00 27 42
21-35-0071	6590549	1239242	5-66	2 305 22,925 3.35 767	11 17,050 3.75 639	12-69	40	895	-.06 23 42
21-35-0071	6821727	1478949	4-67	1 305 19,080 3.93 750	12 15,490 3.61 559	5-69	30	607	.06 30 41
21-35-0071	6924714	1348259	10-67	1 305 22,440 3.81 855	6 18,180 3.53 641	4-70	H 36	712	.04 31 44
21-35-0072	5262212	1085978	10-60	6 257 18,180 3.61 657	20 15,142 3.59 543	9-69	B 44	829	-.02 27 44
21-35-0072	6738203	1261857	9-66	1 305 21,290 3.38 720	26 16,030 3.49 560	9-69	36	878	.05 39 55
21-35-0072	7061732	1261857	10-67	1 305 17,700 3.37 596	30 16,200 3.48 563	10-69	36	599	.05 29 40
21-35-0079	4988764	1085978	9-59	2 305 21,585 3.34 722	23 16,710 3.66 612	9-68	40	976	-.06 26 47
21-35-0079	6196038	1278644	11-64	3 290 20,237 3.59 727	23 16,947 3.65 618	8-69	42	778	-.05 20 37
21-35-0079	6629759	1348259	5-66	2 295 20,440 3.88 794	18 17,165 3.60 618	8-69	40	706	.04 32 45
21-35-0079	6689684	1278644	10-66	2 293 21,850 3.35 733	23 16,995 3.64 619	9-69	40	902	-.09 19 39
21-35-0079	6747868	1348259	10-66	2 294 22,260 3.66 815	22 17,575 3.58 629	11-69	40	854	.01 33 50
21-35-0089	6563856	1312008	9-65	2 305 17,875 3.66 655	8 13,335 3.67 490	8-69	40	568	.05 28 38
21-35-0091	5779685	1085978	8-62	5 302 17,520 3.34 586	14 14,414 3.70 533	11-69	44	828	-.07 19 37
21-35-0102	6678039	1348259	11-66	1 305 20,780 3.08 640	31 15,460 3.41 527	10-69	36	771	-.03 23 39
21-35-0102	7008753	1278644	8-67	1 305 24,240 2.91 705	36 16,010 3.35 536	11-69	36	1,031	-.11 20 43
21-35-0108	5946642	1085978	8-63	5 302 18,246 3.40 621	27 15,378 3.57 549	10-69	44	810	-.05 22 39
21-35-0108	6483166	1278644	9-65	3 305 21,350 3.31 707	31 16,140 3.59 579	10-69	42	990	-.09 22 44
21-35-0108	6525273	1348259	10-65	3 295 19,536 3.49 681	29 16,083 3.59 578	11-69	42	751	-.01 26 41
21-35-0126	6452919	1221835	12-65	3 305 18,747 3.54 664	18 14,730 3.44 507	1-70	42	796	-.01 27 43
21-35-0126	6592025	1278644	5-66	1 305 21,750 3.09 672	17 14,210 3.48 494	11-68	36	966	-.10 20 42
21-35-0141	6497369	1070036	1-66	3 291 19,770 3.35 662	15 16,510 3.59 592	11-69	42	685	.01 26 39
21-35-0143	4978742	1085978	12-59	7 305 25,436 3.25 827	23 15,743 3.56 561	7-69	44	1,695	-.09 47 83
21-35-0143	5194340	1085978	10-60	3 297 20,077 3.54 710	28 15,380 3.45 530	11-69	42	994	-.01 34 54
21-35-0143	5662556	1085978	3-62	5 305 22,342 3.46 772	21 16,602 3.39 563	10-69	44	1,197	-.02 40 64
21-35-0143	5715562	1237057	8-62	4 282 22,538 3.16 713	8 15,563 3.67 571	3-70	44	1,161	-.13 23 49
21-35-0143	5819854	1424266	4-63	4 302 19,622 3.44 675	51 13,855 3.45 478	12-68	34	887	-.01 31 49

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8)	I N O E X..... FAT (%) (L8)	FAT (%) (L8)	DOL- LARS
21-35-0143	6244006	1242163	9-64	2 305 23,835 3.15 750	26 16,190 3.54 573	3-69	40	1,176	-.18	15 \$ 43
21-35-0143	6867529	1085978	9-65	3 305 20,787 3.20 666	28 17,307 3.40 589	3-70	42	877	-.06	23 42
21-35-0143	6876841	1312008	10-65	2 302 21,580 3.55 767	38 17,340 3.41 592	12-68	40	578	.06	30 40
21-35-0143	7190615	1273756	12-66	1 305 20,970 3.31 694	32 16,250 3.30 536	7-69	36	725	.02	29 43
21-35-0143	7285632	1070036	4-67	1 305 23,140 4.04 935	50 18,390 3.40 625	12-69	36	696	.12	43 54
21-35-0143	7300823	1363507	7-67	1 305 27,640 3.30 911	60 17,880 3.37 603	10-69	35	935	-.07	24 44
21-35-0155	6788233	1261857	12-66	1 305 19,400 3.53 684	13 17,760 3.61 641	3-70	36	621	.05	30 41
21-35-0161	6604500	1463825	7-66	2 305 23,125 3.10 718	55 16,240 3.28 533	12-69	30	884	-.03	27 45
21-35-0161	6604515	1466645	7-66	2 305 20,435 3.73 762	58 14,925 3.41 509	7-69	35	955	.02	37 55
21-35-0214	6794141	1285709	11-66	2 299 24,385 3.15 769	27 17,450 3.63 634	11-69	40	892	-.10	18 38
21-35-0218	7038562	1348259	11-67	1 305 17,560 3.35 588	9 13,080 3.46 452	11-69	36	691	-.01	24 38
21-35-0239	6449105	1221835	12-65	1 305 22,520 3.59 808	21 16,900 3.60 608	10-69	36	799	-.03	25 41
21-35-0243	5996037	1278644	11-63	1 305 27,150 2.56 696	12 19,200 3.34 641	2-69	36	1,034	-.17	12 37
21-35-0243	6520567	1278644	12-65	2 305 22,585 3.25 733	11 18,135 3.39 615	9-69	40	872	-.08	19 38
21-35-0246	5929116	1264726	12-62	5 305 20,860 3.41 711	12 16,520 3.43 567	11-69	43	689	.01	27 40
21-35-0248	5551353	1085978	11-61	3 305 19,810 3.48 690	15 16,287 3.54 576	11-68	42	870	-.03	27 45
21-35-0248	6078486	1085978	6-64	4 302 18,668 3.82 713	23 16,573 3.49 578	10-69	44	719	.03	30 44
21-35-0248	6437360	1348259	1-66	2 298 19,540 3.51 685	16 16,630 3.47 577	2-69 H	40	664	.01	25 38
21-35-0263	6228789	1312008	10-64	4 305 23,102 4.35 1005	25 20,552 3.81 783	1-70	44	503	.17	42 48
21-35-0263	6243180	1085978	10-64	3 305 23,030 3.58 825	21 20,043 3.85 772	3-69	42	851	-.06	22 40
21-35-0263	6863396	1278644	3-67	1 305 24,920 4.07 1014	15 18,830 3.71 698	8-69	36	892	.00	32 50
21-35-0263	6950165	1476012	10-67	1 305 24,810 3.91 971	27 21,070 3.88 818	11-69	24	881	-.03	27 45
21-35-0263	6950167	1348259	11-67	1 305 27,980 4.32 1209	25 20,930 3.86 807	11-69	36	941	.09	47 63
21-35-0273	5339030	1221835	2-61	5 285 18,690 3.68 687	24 14,388 3.59 517	6-69	44	874	-.01	30 48
21-35-0287	5523382	1085978	7-61	3 259 17,247 3.71 640	15 14,717 3.72 547	3-69 8	42	738	-.02	24 39
21-35-0287	5960165	1085978	9-62	4 305 18,290 3.32 608	18 15,168 3.59 545	10-68	44	829	-.06	21 39
21-35-0301	5519320	1179372	10-61	5 304 18,896 3.75 709	12 14,938 3.66 547	8-69	44	729	.03	30 44
21-35-0302	5983680	1239886	12-63	5 302 17,720 3.65 647	15 13,860 3.69 512	12-69	44	632	.03	27 39
21-35-0305	5681681	1085978	10-62	4 297 21,575 3.40 734	20 16,400 3.54 580	11-69	44	1,097	-.05	32 55
21-35-0305	6311050	1222994	8-64	3 305 21,327 3.23 688	25 16,567 3.51 581	10-69	42	869	-.06	23 42
21-35-0305	6608014	1312008	9-64	3 304 21,313 3.54 754	18 16,116 3.54 570	1-70	42	732	.04	33 46
21-35-0307	5936819	1245520	9-63	5 295 19,272 3.80 733	20 16,214 3.48 564	11-69	44	672	.01	26 39
21-35-0307	6882261	1268297	8-66	2 305 20,175 3.57 721	23 17,100 3.45 590	10-69	40	515	.07	29 37
21-35-0309	5265228	1199324	1-61	6 304 17,326 3.54 613	12 14,370 3.78 543	8-69	44	834	-.04	24 42
21-35-0309	6026048	1244009	12-63	3 305 22,517 3.44 775	14 15,833 3.82 605	2-69	42	1,213	-.09	30 56
21-35-0311	5425742	1085978	5-61	6 295 16,630 3.57 594	22 14,512 3.47 503	12-68	44	702	-.01	24 38
21-35-0311	5797033	1237057	2-63	4 302 19,533 3.44 671	29 14,573 3.55 518	11-69	44	900	-.06	24 43
21-35-0311	6271700	1085978	10-64	3 303 17,690 3.63 642	28 14,363 3.57 513	11-69	42	825	-.01	28 45
21-35-0332	6328169	1085978	3-65	3 305 19,113 3.31 632	13 14,363 3.48 500	11-69	42	989	-.05	28 49
21-35-0333	4636789	1087974	12-57	5 289 21,866 3.36 734	36 15,494 3.44 533	9-68 8	44	1,178	-.02	39 63
21-35-0339	4776467	929962	11-58	7 305 18,786 3.92 736	12 15,164 3.60 546	7-69	44	562	.05	27 37
21-35-0339	7028912	1348259	4-66	2 305 17,695 4.01 709	23 15,225 3.70 563	1-70	40	605	.05	29 40
21-35-0357	6149632	1085978	8-64	4 299 17,115 3.55 607	38 13,758 3.61 496	1-70	44	840	-.03	26 43
21-35-0357	6190792	1278644	11-64	3 290 18,457 3.18 587	59 13,583 3.67 499	2-69	42	922	-.12	16 37
21-35-0357	6190796	1245520	12-64	4 292 16,732 3.89 651	47 13,437 3.65 491	2-70	44	652	.00	24 37
21-35-0369	5867126	1181029	1-62	6 305 23,210 3.35 778	14 18,275 3.52 644	3-70	44	769	-.03	23 39
21-35-0369	6700458	1291498	10-66	2 305 28,470 3.27 932	16 18,645 3.51 655	11-69	40	1,204	-.08	32 58
21-35-0381	5983754	1239886	7-63	3 236 20,773 3.36 697	27 15,730 3.74 589	12-68 8	42	741	-.03	23 38
21-35-0381	6183483	1239886	7-64	4 304 21,293 3.82 813	13 16,340 3.86 630	3-70	44	778	.03	33 48
21-35-0407	6053871	1278644	2-64	3 284 20,640 3.20 661	25 17,083 3.28 560	9-69	42	810	-.07	19 37
21-35-0407	6477440	1240125	9-65	2 283 21,730 3.30 718	5 15,175 3.42 519	3-69 H	40	976	-.03	30 50
21-35-0407	6502348	1348259	1-66	2 305 21,760 3.07 667	15 17,420 3.25 566	8-69	40	817	-.04	24 41
21-35-0407	6719677	1278644	10-66	2 305 22,695 3.04 691	15 17,900 3.27 586	1-70	40	905	-.10	18 38
21-35-0417	4803055	1085978	11-58	8 304 20,620 3.33 686	22 16,805 3.65 614	12-69 8	44	951	-.08	23 44
21-35-0417	5536637	1085978	9-61	6 300 19,987 3.75 750	22 16,467 3.61 594	1-70	44	908	.01	34 52
21-35-0427	5880455	1189870	4-63	4 304 23,658 3.87 916	16 16,278 3.59 584	7-69	44	1,157	.06	51 72
21-35-0450	4818616	1060259	12-58	7 301 18,930 3.54 671	46 15,631 3.56 556	12-68	44	776	-.03	24 40
21-35-0450	5688012	1222994	3-66	2 305 19,595 3.75 735	38 16,465 3.62 596	5-69	40	645	.02	26 38
21-35-0450	6706500	1288534	10-66	1 305 21,130 3.99 844	54 16,450 3.34 550	1-69	35	520	.07	29 38
21-35-0450	6778202	1329588	1-67	2 305 22,705 3.36 762	43 16,820 3.45 580	2-70	40	869	-.04	25 43
21-35-0450	6973684	1383311	10-67	1 305 23,440 3.61 846	39 16,060 3.58 575	10-69	36	810	-.02	26 43
21-35-0458	6146174	1244009	10-64	3 301 18,073 3.96 715	14 15,723 3.56 560	5-69	42	713	.02	28 42
21-35-0458	6922613	1278644	11-66	1 305 25,790 3.26 841	8 16,070 3.72 598	3-69	36	1,142	-.10	26 51
21-35-0464	6394318	1085978	11-63	1 305 18,820 3.70 696	7 16,060 3.29 528	1-69	36	704	.00	26 40
21-35-0466	5787725	1221835	9-62	4 305 22,078 3.46 764	20 17,335 3.61 626	5-69	44	945	-.05	27 47
21-35-0466	6716418	1348259	2-67	1 305 21,520 3.57 769	24 17,460 3.34 584	8-69	36	692	.03	29 42
21-35-0491	6884546	1458744	9-67	1 305 19,430 3.41 662	40 15,800 3.40 537	9-69	36	843	-.02	28 45
21-35-0507	6275181	1085978	2-65	3 295 18,097 3.56 644	37 13,830 3.82 528	12-69	42	927	-.05	26 46
21-35-0507	6275182	1312008	4-65	3 305 18,280 3.70 676	34 13,563 3.72 504	3-70	42	647	.05	31 43
21-35-0507	6555328	1278644	2-66	2 305 17,495 3.78 662	27 13,440 3.79 509	9-69	40	785	-.04	22 39
21-35-0507	6555331	1348259	3-66	1 305 19,290 3.41 658	40 13,570 3.72 505	1-69	36	787	-.02	26 42
21-35-0521	6239090	1303198	11-64	3 305 20,757 3.55 736	43 15,567 3.48 542	9-69	42	789	.01	30 45
21-35-0521	6468949	1291498	8-65	3 305 19,420 3.51 682	14 14,330 3.45 495	3-70	42	743	-.02	24 39
21-35-0525	5615104	1085978	4-62	5 301 16,716 3.40 569	15 13,878 3.42 475	6-69	44	787	-.03	24 40
21-35-0525	6179809	1085978	8-64	3 305 18,633 3.12 581	30 15,203 3.47 527	10-69	42	847	-.08	19 38
21-35-0525	6648713	1278644	9-66	2 305 19,705 3.43 675	23 15,660 3.57 559	1-70	40	806	-.07	19 37
21-35-0525	6918597	1348259	2-67	1 305 21,040 3.80 799	22 16,620 3.50 581	12-69	36	713	.04	31 44
21-35-0537	6151108	1085978	8-64	1 305 18,570 3.71 689	18 14,070 3.66 515	12-69	36	818	-.02	27 44
21-35-0612	5433728	1038509	11-61	4 305 19,145 3.57 684	15 14,700 3.53 519	10-69	44	791	-.03	24 40
21-35-0612	5521636	1239886	12-61	6 303 17,698 3.73 660	12 14,740 3.49 515	10-69	44	527	.06	28 37
21-35-0612	5953076	1085978	8-63	5 286 16,838 3.50 590	21 14,046 3.53 496	10-69	44	783	-.03	24 40
21-35-0612	5953080	1276654	10-63	4 305 20,788 3.17 658	17 14,763 3.46 511	6-69	44	891	-.06	23 42
21-35-0668	5150630	1070036	9-60	7 305 16,894 3.76 636	9 14,487 3.67 531	2-70	44	588	.07	31 41
21-35-0668	5633155	1221835	8-61							

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS		
21-35-0746	6461578	1179372	9-65	2 305	18,955	3.27	620	12	13,610	3.67	500	4-69	40	759	-.04	21	\$ 37
21-35-0746	6461579	1179372	9-65	3 301	17,770	3.69	655	17	13,593	3.69	501	12-69	42	690	.01	27	40
21-35-0964	6386326	1184848	5-65	2 305	19,305	3.93	759	28	14,305	3.61	517	11-68	40	556	.10	35	43
21-37-0004	6258622	1085978	11-64	3 305	17,717	3.70	656	18	14,367	3.68	529	6-69	42	828	-.01	28	45
21-37-0005	6469651	1240125	8-65	2 305	22,330	3.46	772	24	18,395	3.57	657	12-69	40	742	-.03	23	38
21-37-0007	6234370	1192713	1-65	4 283	20,438	3.63	741	16	16,793	3.70	621	1-70	44	829	-.01	28	45
21-37-0007	6932119	1261857	4-67	1 305	17,800	4.18	744	12	15,450	3.70	572	6-69	36	657	.11	40	50
21-37-0007	6932123	1482198	12-67	1 305	25,690	3.50	899	19	17,460	3.65	638	2-70	26	1,130	-.01	40	63
21-37-0028	5969838	1330987	11-63	1 305	18,820	3.46	652	16	15,380	3.65	562	9-68	36	612	.02	25	37
21-37-0033	5559510	1085978	3-62	5 305	20,620	3.67	756	18	15,882	3.64	578	8-69	44	1,058	-.01	36	57
21-37-0033	5570104	1085978	1-62	4 303	21,138	3.52	744	16	16,660	3.60	600	3-69	44	1,014	-.04	31	52
21-37-0033	6007256	1085978	11-63	4 305	21,695	3.27	709	24	16,295	3.57	582	3-69	44	1,124	-.08	29	53
21-37-0033	6651389	1406271	10-66	1 305	21,520	3.99	858	13	17,150	3.52	604	5-69	36	808	.08	41	55
21-37-0033	6961824	1450228	9-67	1 305	22,140	3.58	792	27	16,040	3.59	576	11-69	33	1,195	-.03	38	63
21-37-0064	5582191	1221835	4-62	5 305	19,350	3.75	726	5	14,882	3.63	540	12-69	44	902	.00	33	51
21-37-0080	6932116	1458744	10-67	1 297	17,980	3.17	570	12	14,890	3.77	561	12-69	36	796	-.06	20	37
21-37-0084	5703182	1085978	12-62	3 305	18,787	3.59	675	15	16,153	3.74	604	6-69	42	766	-.04	22	38
21-37-0084	6218700	1085978	9-64	4 305	19,715	3.59	707	27	16,188	3.69	597	7-69	44	891	-.03	27	46
21-37-0084	6678258	1348259	9-66	2 305	21,305	3.70	788	26	16,595	3.71	615	9-69	40	846	.01	32	49
21-37-0084	6678265	1406271	11-66	2 305	18,450	4.27	787	14	16,895	3.76	636	1-70	40	619	.09	36	46
21-37-0084	6799703	1406271	12-66	1 305	20,080	3.62	727	30	16,110	3.66	589	9-69	36	771	.03	32	47
21-37-0095	5848467	1085978	3-63	5 295	18,412	3.63	668	29	16,662	3.43	571	11-69	44	683	.01	26	39
21-37-0095	6448333	1085978	9-65	3 292	20,130	3.34	673	33	17,060	3.36	574	11-69	42	827	-.03	25	42
21-37-0095	6762353	1348259	11-66	1 293	19,450	4.03	784	33	17,380	3.44	598	10-69	36	543	.06	29	38
21-37-0095	6815425	1348259	3-67	1 305	22,440	3.26	731	30	17,840	3.45	615	11-69	36	735	-.02	24	39
21-37-0096	6260807	1085978	10-64	3 301	17,757	3.31	587	8	14,040	3.61	507	5-69	42	866	-.06	22	41
21-37-0096	6624154	1239242	8-66	1 305	19,220	4.02	772	19	15,050	3.65	549	7-69	36	603	.03	26	37
21-37-0097	6880240	1406271	9-67	1 305	20,700	3.42	707	18	18,480	3.42	632	10-69	36	658	.03	28	40
21-37-0097	6914802	1458744	12-67	1 305	21,170	3.11	658	21	18,970	3.40	645	11-69	36	760	-.04	21	37
21-37-0118	6471067	1239886	8-65	2 305	19,925	3.49	695	7	14,900	3.55	529	10-69	40	665	.02	27	40
21-37-0138	6716139	1348259	5-65	3 305	18,813	3.62	681	14	15,646	3.57	559	5-69	42	714	.01	27	41
21-37-0139	6707078	1278644	8-66	2 303	19,540	3.75	732	14	15,660	3.59	562	8-69	40	790	-.03	24	40
21-37-0161	6167981	1085978	8-64	4 305	18,160	3.70	672	5	16,578	3.53	586	9-69	44	656	.00	24	37
21-37-0206	6358551	1245520	9-64	3 305	18,916	3.70	700	26	15,176	3.55	539	6-69	42	701	-.02	23	37
21-37-0206	6358555	1085978	10-64	4 297	20,833	3.36	700	21	15,535	3.60	560	12-69	44	1,102	-.06	30	53
21-37-0206	6824605	1348259	12-66	1 305	19,650	3.56	699	36	14,920	3.73	557	8-69	36	723	-.01	25	40
21-37-0538	5348136	1325652	8-60	7 277	20,454	4.18	855	27	15,486	3.83	593	9-69	32	812	.09	43	57
21-37-0538	5667840	1244845	11-60	6 303	21,417	3.54	758	55	15,413	3.82	589	11-69	44	1,006	-.06	27	49
21-37-0538	5709158	1244845	1-61	6 305	20,178	3.69	745	48	15,313	3.89	595	11-68	44	858	-.05	24	42
21-37-0538	6526922	1330987	2-65	2 305	22,100	3.90	861	66	15,740	3.77	594	9-68	40	988	.06	45	63
21-37-0538	6676159	1085978	2-65	3 305	19,020	3.55	676	56	16,367	3.76	615	11-69	42	771	-.05	21	37
21-37-0538	6845559	1244845	1-66	2 305	22,160	3.64	806	59	16,510	3.73	615	10-69	40	828	-.04	24	41
21-37-0558	5539452	1189870	2-62	3 294	20,017	4.32	864	14	16,580	3.93	652	4-69	42	647	.08	35	46
21-37-0558	6096710	1408321	1-64	4 302	19,280	4.13	797	14	15,727	3.87	608	4-70	36	692	.10	40	51
21-37-0558	6260732	1363196	1-65	3 305	21,443	3.61	775	22	15,816	3.79	599	8-69	37	683	.02	28	41
21-37-0558	6408956	1451206	11-65	2 305	21,345	3.91	835	24	15,560	3.79	589	12-69	25	753	.04	33	47
21-37-0752	5680037	1239886	9-62	6 301	20,888	3.66	765	13	17,312	3.64	631	4-70	44	640	.03	28	40
21-39-0012	4676640	1085978	11-57	6 305	18,760	3.35	628	12	15,398	3.47	534	9-69	44	874	-.04	25	43
21-39-0012	6258175	1085978	2-65	3 294	18,763	3.28	615	25	15,780	3.43	542	1-70	42	802	-.05	22	39
21-39-0012	6543237	1348259	4-66	2 305	18,995	3.50	664	20	15,280	3.41	521	2-70	40	732	.01	28	42
21-39-0012	6867764	1348259	4-67	1 305	18,470	3.89	719	21	14,640	3.44	503	3-70	36	654	.04	30	42
21-39-0012	6992874	1348259	7-67	1 305	20,080	3.40	682	10	16,290	3.38	551	10-69	36	663	.00	24	37
21-39-0025	6050721	1085978	1-64	4 305	21,978	3.89	855	29	17,563	3.55	624	11-69	44	1,018	.04	42	61
21-39-0025	6165072	1085978	9-64	1 289	22,960	3.46	794	25	18,370	3.65	670	12-69	36	857	-.05	24	42
21-39-0026	5743045	1285296	6-62	4 301	20,040	3.63	728	5	15,757	3.54	558	3-70	35	768	.01	29	44
21-39-0026	5918986	1285296	12-63	4 305	24,850	3.09	769	9	16,462	3.40	560	11-69	35	1,368	-.09	35	65
21-39-0061	5611869	1085978	4-62	6 303	18,437	3.98	733	20	16,913	3.63	614	3-70	44	657	.04	29	41
21-39-0061	5955909	1221835	8-63	3 305	21,130	3.14	664	32	16,380	3.59	588	5-69	42	900	-.09	19	39
21-39-0061	5955910	1221835	8-63	2 305	20,940	3.53	739	31	17,080	3.57	609	9-69	40	760	-.02	24	40
21-39-0061	6113310	1221835	8-64	4 293	20,213	3.43	693	26	16,798	3.62	608	11-69	44	775	-.05	21	38
21-39-0061	6113315	1221835	7-64	3 297	20,750	3.80	788	22	17,650	3.61	638	2-70	42	724	.01	28	42
21-39-0061	6886718	1348259	9-66	1 303	25,220	3.17	800	50	18,290	3.50	641	9-69	36	912	-.04	27	46
21-39-0112	5554863	1239886	11-61	2 305	21,025	3.32	699	17	13,440	3.54	476	2-69	40	910	-.01	32	50
21-39-0113	4924591	1308162	8-59	5 304	20,346	3.63	738	9	14,538	3.58	521	4-70	32	930	.01	35	53
21-39-0113	6299740	1417208	11-64	3 297	19,240	3.35	644	13	15,223	3.61	550	5-69	42	871	-.03	27	45
21-39-0156	6429402	1085978	2-65	2 195	16,510	3.46	572	16	13,720	3.52	483	4-69	40	734	-.03	22	37
21-39-0214	6477899	1348259	11-65	2 305	19,320	3.63	702	12	16,395	3.54	580	2-69	40	663	.01	26	39
21-39-0214	6754578	1239242	12-66	1 305	18,870	4.06	766	14	15,130	3.54	535	4-69	36	572	.04	27	37
21-39-0226	4981782	1085978	10-59	7 268	18,924	3.91	739	21	15,361	3.73	573	1-69	44	900	.02	35	52
21-39-0232	6079434	1283917	12-63	3 305	21,316	3.19	681	14	14,720	3.73	549	11-6					

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	I N D E X..... MILK (LB)	FAT (%)	FAT (LB)	DOL- LARS	
21-39-0529	6073331	1085978	1-64	4 299	19,908	3.68	732	27 17,600	3.52	4-69	44	758	.00	28	\$ 43	
21-39-0529	6092006	1252934	12-63	5 303	21,412	3.83	820	36 18,618	3.57	1-70	44	569	.06	29	39	
21-39-0529	6270563	1085978	9-64	3 305	22,743	3.39	771	24 18,177	3.56	3-69	42	1,012	-.05	29	50	
21-39-0529	6270568	1085978	12-64	4 289	23,528	3.34	787	26 18,803	3.58	12-69	44	1,071	-.07	28	51	
21-39-0529	6477898	1348259	10-65	2 301	22,790	3.38	771	31 18,340	3.42	5-69	40	838	-.01	29	46	
21-39-0529	6828726	1221835	1-66	3 300	23,977	3.53	846	28 19,117	3.51	3-70	42	944	-.02	31	50	
21-39-0529	7005663	1221835	11-66	2 305	23,930	3.44	822	34 19,935	3.49	2-70	40	803	-.03	24	41	
21-39-0534	5789749	1245520	3-63	5 298	23,456	3.42	803	34 18,562	3.69	11-69	44	939	-.09	21	42	
21-39-0678	5594759	1239886	1-62	5 301	19,382	3.65	707	25 16,068	3.60	578	11-68	44	590	.04	27	38
21-39-0678	6183405	1221835	12-64	3 305	21,280	3.29	700	24 16,553	3.59	594	12-69	42	899	-.07	22	42
21-39-0678	6416802	1278644	9-65	3 305	21,127	3.46	731	31 16,943	3.55	601	2-70	42	881	-.07	22	41
21-40-0014	4473051	956081	8-57	9 303	19,531	3.46	676	21 14,429	3.60	520	11-69	44	829	-.03	25	42
21-40-0014	6054887	1398038	2-64	4 298	20,788	3.30	686	20 15,665	3.61	565	12-69	35	889	-.08	20	40
21-40-0014	6388209	1239886	7-65	2 305	20,625	3.44	710	24 15,435	3.49	539	1-69	40	687	.02	28	41
21-40-0014	6684818	1348259	1-67	1 305	19,440	3.43	667	20 15,140	3.63	549	7-69	36	693	-.01	23	37
21-40-0023	5231077	1085978	9-60	6 305	24,408	3.55	866	19 16,958	3.73	632	2-69	44	1,422	-.05	44	73
21-40-0023	6690629	1348259	9-66	2 290	21,935	3.30	724	32 18,175	3.66	666	11-69	40	766	-.05	21	37
21-40-0024	5523826	1085978	8-61	5 305	18,630	3.56	664	11 14,274	3.55	507	6-69	44	988	-.02	33	53
21-40-0024	6461258	1348259	8-65	3 305	16,003	3.67	588	23 13,466	3.58	482	12-69	42	616	.02	25	37
21-40-0040	5486579	1085978	11-61	6 299	17,850	3.75	669	18 15,888	3.69	587	2-70	44	700	-.01	24	38
21-40-0040	5486581	1085978	11-61	6 301	19,593	3.44	674	15 15,642	3.67	574	11-69	44	953	-.06	26	46
21-40-0047	6450712	1221835	3-65	3 301	18,827	3.37	635	15 15,193	3.48	529	10-69	42	758	-.04	21	37
21-40-0049	6622093	1348259	8-66	1 305	20,670	3.09	639	23 13,100	3.76	492	6-69	36	921	-.06	25	45
21-40-0050	6466430	1348259	3-65	3 304	19,963	3.29	656	26 14,186	3.68	522	9-69	42	997	-.05	28	49
21-40-0055	6472359	1278644	1-65	3 305	17,783	3.29	585	12 13,673	3.50	479	8-69	42	835	-.08	18	37
21-40-0063	5856709	1272013	1-63	4 301	18,778	3.54	665	30 14,285	3.69	527	10-68	44	810	-.06	21	38
21-40-0063	5896833	1394824	10-63	4 305	18,142	3.83	695	19 14,535	3.68	535	3-69	39	633	.01	25	37
21-40-0067	6412125	1348259	12-65	2 277	16,020	4.09	655	19 13,120	3.67	481	12-69	40	627	.06	31	42
21-40-0067	6473357	1085978	6-64	1 305	17,050	3.58	611	10 12,730	3.89	495	10-69	36	795	-.05	22	39
21-40-0067	6595200	1348259	8-66	1 305	18,690	3.98	743	26 12,160	3.56	433	6-69	36	836	.05	37	52
21-40-0073	5985334	1240125	8-63	5 288	17,814	3.67	653	34 14,356	3.70	531	9-69	44	729	-.02	24	39
21-40-0073	6323598	1245520	5-64	1 305	21,110	3.88	819	35 15,160	3.77	572	1-70	36	735	-.02	23	38
21-40-0073	6823228	1464428	10-66	1 305	21,540	3.48	749	36 14,410	3.73	537	7-69	32	1,025	-.09	23	46
21-40-0081	6493300	1348259	10-65	2 287	15,935	3.45	550	15 12,880	3.42	440	9-68	40	641	.01	24	37
21-40-0585	5605845	1221835	2-62	6 301	19,670	3.50	688	21 16,410	3.60	590	3-70	44	766	-.04	22	38
21-40-0585	6380282	1348259	10-65	3 304	20,493	3.47	711	21 17,070	3.59	613	1-70	42	759	-.02	25	40
21-40-0585	6667357	1085978	8-66	2 305	21,345	3.38	721	18 17,070	3.50	597	3-70	40	919	-.04	27	46
21-40-0733	5877266	1362225	8-63	5 305	20,888	3.54	739	13 16,456	3.62	595	3-70	38	898	-.02	29	47
21-40-0733	6757428	1312008	12-66	1 305	23,650	3.72	880	16 16,550	3.55	588	6-69	36	669	.07	35	46
21-40-0811	6489665	1348259	9-65	2 305	17,745	3.57	634	20 14,740	3.53	520	9-69	40	654	.01	25	38
21-42-0003	5951258	1085978	1-63	4 273	19,638	3.37	661	14 16,465	3.54	583	9-68	44	851	-.05	23	41
21-42-0003	6466118	1085978	2-65	2 213	19,980	3.43	685	16 15,405	3.50	539	10-68	40	932	-.04	28	47
21-42-0011	6399012	1278644	8-65	2 305	19,290	3.18	613	13 14,290	3.52	503	5-69	40	889	-.10	17	37
21-42-0015	5216010	1085978	11-60	7 303	20,620	3.74	771	14 16,676	3.65	608	7-69	44	966	.00	35	54
21-42-0015	5934846	1085978	12-63	4 298	21,495	3.41	733	28 17,243	3.68	634	12-69	44	994	-.07	26	47
21-42-0015	6035810	1085978	1-64	4 305	20,730	3.42	710	14 17,135	3.65	626	4-69	44	911	-.06	24	44
21-42-0015	6035814	1278644	2-64	3 305	19,317	3.91	755	24 16,700	3.69	617	11-68	42	698	-.01	24	38
21-42-0015	6405434	1278644	11-65	3 305	21,603	3.53	763	23 17,600	3.65	642	1-70	42	868	-.06	22	41
21-42-0015	6527473	1348259	3-66	1 305	22,920	3.40	779	20 17,340	3.63	629	9-68	36	804	-.02	26	42
21-42-0027	6107885	1085978	6-64	4 305	21,880	3.80	831	20 19,770	3.44	681	11-69	44	760	.04	33	47
21-42-0027	6308378	1223243	4-65	3 304	24,890	3.27	814	19 19,623	3.41	669	11-69	42	951	-.04	28	48
21-42-0033	6156615	1303198	9-64	3 305	20,007	3.64	728	14 15,980	3.56	569	10-69	42	660	.01	26	39
21-42-0036	5956451	1239886	8-63	5 301	17,412	4.16	725	27 14,798	3.61	534	10-69	44	484	.11	34	41
21-42-0088	5887172	1199324	10-63	5 272	16,634	3.63	603	11 13,966	3.55	496	3-70	44	792	.00	28	44
21-42-0088	6029542	1259069	7-62	3 305	18,600	3.63	676	14 13,943	3.50	488	2-69	42	687	-.01	23	37
21-42-0088	7069179	1239242	8-66	2 305	18,190	3.83	696	15 14,225	3.54	503	8-69	40	673	.03	28	41
21-42-0111	6250646	1085978	10-63	4 289	16,270	3.60	585	19 14,263	3.52	502	11-69	44	680	-.01	23	37
21-42-0114	4292963	1239370	1-56	9 303	21,714	3.33	724	19 14,194	3.70	525	7-69	32	1,196	-.07	32	58
21-42-0114	6919636	1261857	7-67	1 305	20,420	4.11	839	39 17,130	3.72	638	10-69	36	739	.10	42	54
21-42-0126	6504286	1348259	11-65	2 299	18,625	3.85	717	10 16,455	3.52	579	10-68	40	587	.05	28	38
21-42-0132	5424133	1085978	10-61	5 292	17,798	3.64	648	68 13,824	3.61	499	8-69	44	933	-.02	31	50
21-42-0132	6108021	1085978	8-64	4 305	16,870	3.40	573	100 13,443	3.65	490	11-69	44	845	-.06	22	40
21-42-0132	6474399	1309574	2-66	3 288	18,840	3.66	690	98 14,073	3.59	505	2-70	42	774	.04	34	48
21-42-0132	6834078	1261857	7-67	1 305	19,070	3.94	752	64 13,960	3.57	498	7-69	36	851	.10	45	59
21-42-0137	6110957	1085978	4-64	3 305	17,907	3.69	661	12 15,250	3.53	539	3-70	42	758	.00	27	42
21-42-0147	6698706	1348259	10-66	2 305	17,345	3.62	628	20 13,525	3.54	479	11-69	40	725	.01	28	42
21-42-0155	5524656	1085978	9-61	4 297	20,075	3.64	731	14 16,840	3.73	628	2-70	44	863	-.03	27	45
21-42-0160	5952096	1085978	11-63	4 298	19,378	3.52	683	9 17,045	3.51	598	4-70	44	754	-.02	24	39
21-42-0160	5952097	1085978	12-63	4 297	19,590	3.47	680	13 16,938	3.47	587	7-69	44	792	-.02	25	41
21-42-0160	6160580	1085978	1-64	2 305	20,465	3.33	682	19 17,715	3.48	617	12-68	40	771	-.05	21	37
21-42-0160	6462058	1278644	1-66	2 305	22,380	3.35	749	16 17,870	3.49	624	3-70	40	876	-.08	20	39
21-42-0162	6119483	1245520	6-64	4 305	22,152	3.25	719	40 16,542	3.55	587	1-70	44				

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS
21-42-0268	6726380	1261857	9-66	2 291	15,395	4.11	633	17 13,865	3.70	513	11-69	40	596	.11	37	\$ 46
21-42-0269	6088273	1085978	10-63	3 305	18,090	3.38	611	30 15,037	3.54	533	10-68	42	801	-.05	22	39
21-42-0269	6204753	1085978	12-64	2 305	17,745	3.90	692	23 14,680	3.56	522	3-69	40	772	.02	31	46
21-42-0271	6630347	1348259	6-66	1 305	20,620	3.54	730	31 15,170	3.53	535	9-68	36	778	.01	29	44
21-42-0289	6532614	1278644	9-65	3 283	22,070	3.21	708	19 17,880	3.42	612	10-69	42	892	-.09	19	39
21-42-0289	7039276	1278644	9-66	1 305	24,110	3.63	875	19 17,280	3.59	621	11-68	36	936	-.05	27	47
21-42-0292	6275247	1239886	8-64	4 305	22,990	3.41	783	21 19,080	3.56	680	12-69	44	683	.00	24	38
21-42-0292	6480300	1278644	9-65	3 301	24,153	3.32	802	5 17,663	3.68	650	4-70	42	1,154	-.11	25	51
21-42-0292	6480301	1278644	10-65	3 294	22,750	3.37	766	21 19,227	3.55	683	11-69	42	831	-.08	18	37
21-42-0292	6480306	1223243	10-65	3 305	22,963	3.71	851	26 19,200	3.51	674	11-69	42	770	.02	31	46
21-42-0298	5660970	1085978	7-62	3 279	16,683	3.61	602	5 13,940	3.67	511	11-68	42	753	-.03	23	39
21-42-0310	6710482	1348259	5-66	2 305	16,695	3.65	609	15 14,080	3.37	474	6-69	40	608	.03	27	38
21-42-0310	6710483	1278644	8-66	2 292	20,405	3.42	697	14 15,605	3.52	550	12-69	40	882	-.07	22	41
21-42-0322	6320851	1272013	11-63	4 304	19,385	3.65	708	7 15,113	3.47	525	11-69	44	793	-.02	26	42
21-42-0334	6892629	1221835	12-65	2 305	17,975	4.04	726	39 16,005	3.51	561	10-69	40	558	.05	27	37
21-42-0345	6649578	1348259	9-65	2 305	19,035	3.50	666	18 15,750	3.51	553	11-68	40	693	.00	25	39
21-42-0353	6031502	1239886	2-63	4 305	20,960	3.90	818	11 17,598	3.83	674	8-69	44	597	.05	29	40
21-42-0353	6031503	1085978	2-64	4 303	20,853	3.61	752	26 17,873	3.79	678	2-70	44	844	-.04	24	42
21-42-0353	6173162	1085978	11-64	4 305	19,990	3.76	751	21 17,313	3.74	647	2-70	44	800	-.01	27	43
21-42-0353	6399018	1330987	9-65	3 303	23,213	3.70	858	21 17,687	3.72	658	3-70	42	991	.04	41	60
21-42-0353	6569863	1348259	3-66	2 305	20,405	4.04	825	18 17,670	3.93	694	9-69	40	657	.03	28	40
21-42-0353	6890919	1261857	1-67	2 305	20,495	3.74	767	20 16,915	3.71	627	2-70	40	835	.07	40	55
21-42-0394	6044128	1085978	7-63	4 300	19,355	3.90	755	24 17,595	3.53	621	9-69	44	690	.03	30	43
21-42-0394	6693821	1278644	11-66	2 305	25,310	3.35	849	20 18,315	3.69	675	1-70	40	1,133	-.10	26	51
21-42-0394	6724634	1312008	1-67	2 302	23,480	3.74	877	20 18,795	3.62	680	1-70	40	638	.07	33	44
21-42-0404	5777746	1085978	8-62	4 260	18,543	3.62	671	18 14,755	3.63	535	4-69	44	906	-.02	29	48
21-42-0404	6262372	1221835	10-64	2 258	17,610	3.63	640	11 14,130	3.56	503	6-69	40	692	-.01	23	37
21-42-0404	7188241	1360676	10-67	1 305	16,400	4.24	696	12 14,380	3.33	479	4-70	34	629	.08	35	45
21-42-0429	6224787	1239886	3-64	4 300	16,413	3.98	653	12 13,833	3.48	482	2-70	44	454	.09	30	37
21-42-0471	6867218	1476012	4-67	1 305	22,700	3.59	814	19 16,850	3.62	610	12-69	24	1,031	-.05	29	51
21-42-0471	6867221	1476012	5-67	1 305	20,960	3.46	725	6 14,990	3.48	522	8-69	24	1,025	-.06	28	50
21-42-0471	6947782	1261857	7-67	1 305	22,840	3.55	811	17 17,000	3.56	605	12-69	36	928	.06	42	59
21-42-0471	6994162	1261857	9-67	1 305	19,190	3.68	707	18 16,100	3.55	572	2-70	36	717	.08	37	49
21-42-0471	7273977	1261857	9-67	1 305	21,270	3.73	793	18 16,100	3.55	572	2-70	36	872	.08	43	58
21-42-0493	6821287	1261857	11-66	2 305	17,725	3.92	694	14 13,725	3.69	507	2-70	40	846	.09	44	58
21-42-0554	6003415	1085978	8-63	4 305	17,893	3.31	593	18 14,255	3.65	520	1-69	44	881	-.07	22	41
21-42-0711	5618686	1085978	6-62	5 301	21,498	3.43	737	19 17,288	3.44	594	6-69	44	1,008	-.03	32	53
21-42-0711	6044130	1085978	10-63	5 303	22,088	3.38	747	18 17,506	3.46	606	11-69	44	1,059	-.04	32	54
21-42-0711	6159282	1085978	12-63	4 303	23,358	3.51	819	24 18,020	3.42	616	12-68	44	1,137	-.01	39	62
21-42-0711	6247548	1085978	10-64	3 305	22,107	3.23	714	20 18,703	3.42	639	2-69	42	884	-.06	23	42
21-42-0711	6342071	1085978	11-65	2 291	25,090	2.96	742	22 18,720	3.38	633	11-68	40	1,148	-.10	26	51
21-42-0711	6349548	1221835	10-64	3 305	20,630	3.70	764	24 17,653	3.46	611	4-69	42	710	.02	28	42
21-42-0711	6542039	1239242	2-66	2 305	20,455	3.66	748	21 17,725	3.27	580	7-69	40	583	.04	27	38
21-42-0746	6398199	1085978	7-65	3 304	15,730	3.74	588	31 12,957	3.73	483	11-69	42	745	-.01	25	40
21-42-0757	5798680	1154946	4-63	4 250	21,675	3.18	690	38 16,260	3.59	584	11-68	8 44	873	-.10	17	37
21-42-0806	5669213	1085978	9-62	4 290	21,165	3.25	688	23 17,865	3.52	629	2-70	44	884	-.07	21	40
21-42-0806	5669214	1222994	9-62	6 301	19,560	3.63	711	25 17,370	3.43	596	3-70	44	608	.03	26	37
21-42-0806	6290209	1312008	11-64	4 305	27,800	3.05	848	17 17,117	3.56	610	3-70	44	1,465	-.07	42	73
21-42-0806	6788826	1278644	10-65	3 305	22,353	3.39	757	25 17,077	3.46	591	9-69	42	1,008	-.07	26	48
21-42-0806	6788827	1278644	11-66	2 305	21,760	3.30	719	29 17,515	3.44	602	12-69	40	845	-.08	19	38
21-42-0806	6830813	1261857	11-66	1 305	20,220	3.65	738	26 17,680	3.43	606	1-70	36	687	.08	37	49
21-42-0877	5559712	1085978	8-61	6 300	17,722	4.11	728	10 14,798	3.55	525	6-69	44	810	.07	39	53
21-42-0911	6222650	1085978	8-64	4 300	16,735	3.59	600	14 14,343	3.65	524	10-69	44	728	-.03	22	37
21-42-0911	6707163	1085978	3-65	2 305	17,480	3.39	592	16 14,205	3.60	511	1-69	40	788	-.04	22	39
21-43-0003	5867534	1252934	9-62	5 302	17,604	4.12	726	11 14,094	3.58	504	8-69	44	602	.09	35	45
21-43-0006	5995739	1389471	12-63	3 289	19,793	3.34	661	9 14,610	3.46	505	7-69	42	822	-.06	21	39
21-43-0006	6848400	1301864	8-66	2 305	19,855	3.37	669	10 15,150	3.43	520	12-69	40	657	.00	24	37
21-43-0048	6695769	1347940	10-66	2 158	18,310	3.71	679	27 14,685	3.75	550	10-69	40	911	-.01	32	50
21-43-0077	6724390	1348259	8-66	1 305	22,520	3.66	825	12 16,450	3.54	582	7-69	36	834	.02	33	49
21-43-0079	6944489	1290716	10-67	1 304	19,080	4.31	823	8 15,830	3.37	534	11-69	35	435	.18	42	46
21-43-0088	6455252	1312008	9-65	3 286	18,773	3.77	708	11 14,773	3.65	539	8-69	42	579	.07	31	41
21-43-0185	5899448	1085978	1-63	3 242	20,000	3.63	726	12 15,290	3.54	542	10-69	8 42	995	-.01	34	54
21-43-0716	5958559	1085978	7-63	4 305	20,563	3.24	667	27 14,920	3.58	534	1-69	44	1,137	-.08	29	54
21-43-0716	5958560	1085978	9-63	5 303	17,774	3.22	573	29 14,714	3.58	527	10-69	44	826	-.07	19	37
21-43-0716	6855793	1471260	10-66	1 305	23,510	3.21	755	26 13,970	3.66	512	7-69	30	960	-.04	29	49
21-43-0773	5713479	1085978	9-62	3 305	22,540	3.27	736	15 16,597	3.55	589	6-69	42	1,152	-.07	31	56
21-43-0773	5900678	1085978	8-63	3 305	20,317	3.42	695	9 16,653	3.60	600	11-69	42	890	-.05	25	44
21-43-0773	6682584	1348259	8-66	2 305	21,680	3.27	710	25 16,625	3.60	598	9-69	40	882	-.04	26	44
21-44-0015	5122740	1085978	2-60	4 302	17,385	3.49	607	14 14,128	3.62	512	10-69	44	832	-.04	24	42
21-44-0015	5890304	1221835	8-62	4 305	17,308	3.46	599	15 13,373	3.64	487	4-69	44	797	-.05	22	39
21-44-0020	6809574	1458744	3-67	1 305	16,550	3.67	608	6 13,160	3.69	485	6-69	36	805	-.01	28	44
21-44-0033	6696204	1348259	8-66	2												

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	PRODUCTION. FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (LB)	LAST CALVD MO-YR	T C O	.....C O W REPT (L8)	I N O FAT (L8)	E X FAT (L8)	..... OOL- LARS
21-44-0066	6451396	1470740	9-65	3 298	21,823	3.13	683	28 15,636	3.43 537	12-69	29	906	-.07	22	\$ 42
21-44-0066	6740898	1312008	12-65	3 302	22,103	3.86	854	33 15,606	3.43 536	12-69	42	876	.11	48	63
21-44-0067	6157987	1278644	1-64	2 303	21,410	3.28	703	8 15,460	3.45 533	12-68	40	998	-.08	24	46
21-44-0071	6876475	1261857	11-66	1 305	19,200	4.03	773	55 14,680	3.55 521	11-69	36	813	.11	45	58
21-44-0071	7364821	1478014	9-67	1 305	19,240	3.71	714	55 14,680	3.56 522	11-69	33	647	.04	29	41
21-44-0143	6135871	1312008	6-64	4 305	23,397	3.42	800	13 17,557	3.73 654	4-70	44	873	.00	31	48
21-44-0143	6449288	1391908	12-65	3 305	22,467	3.67	825	16 18,037	3.68 664	3-70	29	690	.00	25	39
21-44-0143	6449291	1453591	1-66	2 305	21,330	3.67	782	14 17,170	3.79 650	5-69	29	735	-.02	23	38
21-44-0143	6633941	1278644	3-66	2 305	23,115	3.60	831	23 15,760	3.81 600	9-69	40	1,143	-.07	31	55
21-44-0143	6633942	1348259	4-66	2 305	20,385	3.61	736	26 16,640	3.80 633	8-69	40	749	-.01	25	40
21-44-0143	6794072	1453591	4-67	1 305	24,600	3.46	851	16 16,970	3.89 660	10-69	23	926	-.06	24	44
21-44-0177	6670130	1237057	1-67	1 305	22,850	3.49	797	6 15,300	3.66 560	10-68	36	888	-.06	23	42
21-44-0177	6904609	1348259	1-66	3 300	20,610	3.67	757	11 17,560	3.53 619	1-70	42	722	.03	30	44
21-44-0178	6407613	1453591	12-65	3 305	20,020	3.42	684	12 14,916	3.69 551	9-69	32	894	-.06	24	43
21-44-0178	6923823	1312008	8-67	1 305	24,510	3.48	854	5 18,340	3.38 619	2-70	36	613	.06	31	42
21-44-0182	5928675	1403387	9-63	4 296	18,618	4.01	746	23 15,583	3.79 590	12-69	33	528	.07	29	38
21-44-0182	6631738	1261857	8-66	1 305	16,810	4.00	672	29 14,100	3.84 541	9-69	36	673	.08	36	47
21-44-0425	6361916	1085978	3-65	4 303	17,440	3.78	660	12 14,408	3.66 528	3-70	44	808	.00	29	45
21-44-0540	5784408	1239886	8-62	4 305	18,558	3.67	691	16 15,103	3.60 543	5-69	44	578	.04	27	37
21-44-0540	6689192	1348259	6-66	1 305	21,470	3.43	737	25 15,760	3.58 564	10-69	36	802	-.01	28	44
21-44-0640	5699975	1221835	9-62	5 305	18,762	3.30	619	20 13,972	3.58 500	2-70	44	932	-.06	24	44
21-44-0640	6336416	1239886	12-64	3 305	18,307	3.64	666	20 14,587	3.52 513	3-70	42	576	.04	27	37
21-44-0933	5690667	010260599	11-62	5 305	23,728	3.44	817	19 17,796	3.59 638	11-69	44	1,049	-.09	25	48
21-44-0933	6247756	1259069	5-64	2 305	22,755	3.93	895	16 17,850	3.70 661	7-69	40	694	.01	27	40
21-44-0933	6326514	1432725	1-65	3 305	24,563	3.56	875	28 17,127	3.58 614	12-69	29	1,105	-.01	39	61
21-45-0002	5945493	1278644	8-63	3 300	20,380	3.24	660	32 15,497	3.56 552	10-68	42	945	-.10	19	40
21-45-0009	6955449	1426912	9-67	1 305	23,490	3.32	780	31 16,940	3.42 580	11-69	26	851	.04	36	52
21-45-0031	6302092	1348259	4-65	2 305	19,480	3.48	677	22 15,600	3.51 548	3-69	40	752	.00	27	42
21-45-0031	6367404	1348259	8-65	3 298	19,696	3.23	637	30 15,510	3.60 559	11-69	42	829	-.05	22	40
21-45-0031	6656478	1348259	10-66	2 292	18,525	3.50	649	28 15,320	3.64 557	11-69	40	681	-.01	23	37
21-45-0031	6656479	1348259	11-66	2 305	19,505	3.17	618	28 14,830	3.59 532	2-70	40	825	-.05	22	40
21-45-0031	6656481	1347940	11-66	2 305	17,240	3.12	538	21 14,800	3.53 523	3-70	40	792	-.06	20	37
21-45-0031	6656482	1347940	12-66	1 305	19,600	3.48	682	34 15,680	3.55 557	12-68	36	875	-.01	30	48
21-45-0031	6662648	1347940	11-66	1 305	18,970	3.28	623	32 15,520	3.47 539	1-69	36	839	-.03	26	43
21-45-0031	6873281	1347940	9-67	1 305	16,900	3.52	595	23 15,270	3.65 558	10-69	36	701	-.02	23	37
21-45-0048	6942681	1486708	9-67	1 305	27,000	2.77	747	11 18,080	3.07 555	1-70	19	887	-.09	19	39
21-45-0069	6565140	1348259	1-66	2 305	19,430	3.50	680	15 16,670	3.49 581	8-69	40	649	.00	24	37
21-45-0120	6052267	1239886	10-63	4 305	21,230	3.61	767	20 16,858	3.48 586	12-68	44	713	.05	33	46
21-45-0120	6828799	1413165	9-66	2 193	21,670	3.60	781	13 16,785	3.53 593	1-70	40	858	-.07	20	39
21-45-0141	6886180	1348259	9-67	1 305	20,890	3.54	739	20 15,730	3.47 546	9-69	36	761	.01	29	44
21-45-0142	6942780	1348259	11-67	1 305	25,390	3.25	825	9 18,760	3.26 611	1-70	36	893	-.01	31	49
21-45-0153	5305371	1085978	9-60	6 276	18,657	3.21	598	13 13,660	3.46 473	4-69	8 44	1,063	-.07	28	51
21-45-0153	6804336	1348259	6-65	2 208	18,085	3.47	628	15 14,275	3.50 499	4-69	8 44	731	.00	26	41
21-45-0155	5975879	1243697	10-63	3 305	21,880	3.74	818	15 15,010	3.68 552	12-68	42	709	.04	31	44
21-45-0155	6679001	1085978	9-66	1 305	21,010	3.17	667	22 15,650	3.71 580	5-69	36	894	-.08	21	41
21-45-0170	5297375	1085978	2-61	6 300	21,383	3.45	737	14 16,848	3.49 588	1-69	44	1,044	-.03	33	54
21-45-0170	5649055	1085978	2-62	5 302	18,576	3.73	693	7 16,318	3.53 576	3-69	H 44	744	.01	28	43
21-45-0170	5649056	1085978	2-62	6 299	19,900	3.57	710	16 17,382	3.43 597	10-69	44	791	.00	28	44
21-45-0170	6071521	1085978	3-64	3 305	20,460	3.56	728	14 16,693	3.41 570	11-68	42	903	.00	32	50
21-45-0170	6276786	1085978	12-64	3 293	19,667	3.27	644	12 16,273	3.55 577	1-70	42	855	-.07	21	40
21-45-0170	6439497	1348259	12-65	2 305	21,885	3.40	743	14 16,630	3.52 586	1-70	40	902	-.02	30	48
21-45-0170	6942778	1348259	8-67	1 305	20,990	3.35	703	14 17,100	3.36 574	9-69	36	677	.00	24	37
21-45-0171	6161674	1085978	9-64	4 305	27,328	3.61	987	10 20,840	3.84 800	2-70	44	1,314	-.06	39	66
21-45-0171	6365563	1348259	3-65	3 301	24,910	3.50	873	15 20,860	3.68 767	9-69	42	875	-.02	28	46
21-45-0171	6365565	1278644	6-65	3 305	24,493	3.81	934	17 20,820	3.72 775	8-69	42	867	-.02	28	46
21-45-0171	6774708	1278644	1-67	1 305	24,510	3.58	878	5 19,380	3.76 729	4-69	36	825	-.07	20	38
21-45-0194	5980036	1085978	8-63	4 305	22,128	3.20	709	30 15,955	3.41 544	1-70	44	1,215	-.07	33	59
21-45-0194	6664947	1085978	6-65	2 305	19,190	3.27	628	32 15,335	3.42 525	9-68	40	859	-.05	24	42
21-45-0198	5057239	1143558	12-58	5 300	19,770	3.98	787	12 15,454	3.60 556	3-70	44	594	.09	35	44
21-45-0198	5982422	1085978	10-63	5 302	21,912	3.34	731	19 16,040	3.59 576	3-70	H 44	1,206	-.07	33	59
21-45-0198	6218697	1085978	8-64	3 305	22,743	3.34	759	12 16,390	3.47 568	11-69	42	1,197	-.05	36	61
21-45-0198	6777179	1085978	8-66	2 301	19,785	3.19	632	14 15,805	3.40 537	10-69	40	876	-.06	23	42
21-45-0199	4596999	1085978	3-58	8 302	16,691	3.79	633	19 14,950	3.67 548	11-69	44	659	.00	24	37
21-45-0199	6710711	1348259	9-66	2 305	19,305	3.65	704	24 15,465	3.63 561	1-70	40	746	.01	28	43
21-45-0235	5056335	1085978	10-59	6 303	18,257	4.09	747	6 15,912	3.54 563	5-69	44	750	.07	37	50
21-45-0235	5755632	1239886	9-62	5 301	19,102	3.97	759	7 15,672	3.51 550	6-69	44	449	.10	31	37
21-45-0238	6102163	1239886	2-64	4 304	20,248	3.94	798	11 16,560	3.51 581	3-69	44	625	.10	37	47
21-45-0288	4830657	1085978	10-58	6 305	19,995	3.40	679	7 15,738	3.67 578	2-70	44	994	-.07	26	47
21-45-0288	5019971	1085978	9-59	5 302	19,438	3.71	722	8 16,856	3.58 603	3-69	44	792	.00	29	45
21-45-0288	5720777	1221835	8-62	5 297	21,488	3.89	836	12 16,692	3.64 607	2-70	44	967	.03	39	57
21-45-0288	5720781	1085978	10-62	5 293	21,110	3.34	706	8 16,726	3.55 594	1-69	44	1,023	-.06	28	50
21-45-0288	5945831	1085978	12-63	5 300	20,614	3.63	748	11 15,658	3.63 569	12-69	44	1,083	-.02	36	58
21-45-0292	6161672	1239886	11-64	3 305	20,817	3.52	733	16 15,500	3.54 548	1-69	42	770	.03	32	47
21-45-0295	6233963	1													

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (L8)	FAT (%)	PRODUCTION FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES... FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT MILK (L8)	I N D E X..... FAT (L8)	FAT (L8)	DOL- LARS		
21-45-0409	6039837	1085978	11-63	1 305	21,390	3.61	772	5 16,490	3.60	594	12-69	36	866	-.02	28	\$ 46
21-45-0436	7539469	010275932	6-65	1 305	29,980	4.30	1288	9 15,170	3.66	555	2-70	35	1,267	.11	62	84
21-45-0436	7539471	010260599	10-64	1 305	23,140	3.89	900	9 15,860	3.75	594	2-70	35	821	-.04	24	41
21-45-0458	5644796	1085978	9-62	3 300	19,287	3.59	692	26 17,177	3.47	596	10-69	42	718	-.01	25	39
21-45-0458	6143264	1239886	11-62	4 305	20,585	4.35	896	7 18,320	3.50	641	5-69	44	471	.17	42	47
21-45-0521	6500754	1348259	2-66	2 296	17,885	4.08	730	15 15,080	3.45	521	8-69	40	638	.08	35	46
21-45-0599	5886389	1085978	10-62	4 305	17,625	3.59	632	22 15,220	3.68	560	11-69	44	741	-.03	22	37
21-45-0599	6213494	1438006	9-64	4 298	20,437	3.42	698	16 16,117	3.59	579	12-69	40	898	.00	32	50
21-45-0599	6682396	1221835	7-66	2 287	18,505	3.89	719	20 15,590	3.68	574	11-69	40	649	.01	25	38
21-45-0607	6743401	1348259	10-66	1 305	18,280	3.21	586	22 13,640	3.50	477	7-69	36	707	-.02	22	37
21-45-0607	6799190	1348259	1-67	1 305	21,060	3.47	730	26 14,720	3.50	515	10-69	36	841	.00	30	47
21-45-0725	6033366	1221835	12-63	4 304	19,760	3.50	691	8 15,390	3.58	551	11-69	44	875	-.03	27	45
21-45-0772	4834005	1189870	2-59	3 302	20,123	3.79	763	23 15,447	3.52	543	4-69	42	777	.05	35	49
21-45-0777	5199461	1085978	1-60	6 305	20,547	3.50	719	9 15,620	3.62	565	1-69	44	1,079	-.04	33	55
21-45-0888	6319775	1085978	1-65	3 300	17,070	3.70	632	14 15,390	3.44	529	9-69	42	648	.01	25	38
21-45-0888	6835410	1458744	7-67	1 305	19,790	3.42	676	11 15,910	3.24	516	1-70	36	862	.00	31	48
21-45-0987	6041273	1124780	3-64	4 295	19,865	3.77	748	9 15,365	3.72	571	11-69	44	654	.02	27	39
21-45-0987	6743111	1085978	8-66	1 294	18,650	4.01	747	12 15,460	3.60	556	9-69	36	731	.01	28	42
21-47-0011	5874199	1239886	3-63	3 280	19,757	3.40	672	8 15,127	3.48	527	2-69	8 42	686	.02	27	40
21-47-0015	6077786	1351089	2-64	4 303	24,632	3.61	888	25 17,102	3.34	571	1-70	35	1,121	.07	51	71
21-47-0015	6135124	1416798	9-64	4 305	24,438	2.92	713	42 17,008	3.47	591	1-70	32	1,247	-.16	21	50
21-47-0043	6032676	1085978	10-63	5 305	21,706	3.52	765	9 16,674	3.44	574	4-70	44	1,106	-.01	38	60
21-47-0055	5200347	010250735	3-57	6 305	17,658	3.83	676	63 14,587	3.46	505	8-69	43	488	.11	33	40
21-47-0061	6884453	1278644	10-67	1 305	22,170	3.21	712	19 16,430	3.35	551	11-69	36	848	-.08	19	38
21-47-0062	6597852	1348259	4-66	2 297	20,215	3.33	674	11 15,445	3.68	568	10-69	40	841	-.04	25	43
21-47-0062	6690400	1347940	10-66	2 281	17,980	3.87	696	12 15,690	3.70	581	1-70	40	786	.02	31	46
21-47-0082	6190588	1239242	6-64	3 301	19,527	3.24	633	52 13,647	3.53	482	4-69	42	931	-.06	25	45
21-47-0082	6476312	1239242	7-65	2 305	18,550	3.64	675	47 13,725	3.50	481	6-69	40	755	.01	28	43
21-47-0082	6766586	1239242	9-66	1 305	21,400	3.12	667	12 13,800	3.51	484	3-69	36	849	-.05	23	41
21-47-0330	6264343	1239886	1-65	3 298	19,957	3.66	730	9 15,807	3.53	558	3-69	42	639	.05	30	41
21-47-0330	6566860	1348259	1-66	2 304	19,435	3.66	712	12 16,530	3.46	572	5-69	40	662	.03	28	40
21-47-0648	6191323	1239886	2-64	2 305	18,530	3.54	656	12 14,330	3.34	479	9-69	40	576	.05	28	38
21-48-0022	5803034	1245520	11-62	5 299	18,646	3.46	645	14 14,290	3.56	509	10-69	44	814	-.06	21	39
21-48-0022	5983300	1085978	7-63	4 299	19,778	3.32	656	21 14,803	3.66	542	12-69	44	1,053	-.07	27	50
21-48-0060	4063929	1212154	6-55	9 305	20,624	3.52	725	21 16,398	3.57	585	8-69	34	693	-.01	23	37
21-48-0060	6070763	1239886	12-63	4 305	21,095	3.62	764	16 17,220	3.54	609	2-70	44	656	.04	30	42
21-48-0074	6459062	1438006	8-65	2 302	18,765	3.47	651	33 13,960	3.85	537	9-69	36	843	-.01	29	46
21-48-0081	6335463	1239886	8-64	4 305	22,678	3.41	773	35 18,155	3.53	640	11-69	44	747	.00	27	42
21-48-0097	6117108	1244845	3-64	4 305	19,655	3.67	721	23 15,873	3.63	576	10-69	44	706	-.02	23	37
21-48-0121	4777855	1244250	12-58	8 305	21,851	3.32	726	12 17,556	3.54	621	6-69	36	866	-.06	22	41
21-48-0121	5420126	1085978	8-61	5 305	24,850	3.52	875	16 17,928	3.51	630	10-68	44	1,366	-.02	46	74
21-48-0131	6409314	1348259	5-65	3 298	17,356	3.67	637	32 14,223	3.54	504	8-69	42	693	.02	28	41
21-48-0131	6735841	1312008	12-66	2 301	22,475	3.17	713	32 16,250	3.62	588	1-70	40	769	-.02	25	41
21-48-0131	7079513	1348259	10-67	1 305	20,800	3.59	747	37 17,420	3.65	635	11-69	36	641	.01	24	37
21-48-0136	6298513	1085978	4-65	3 296	19,013	3.63	691	27 16,077	3.64	586	11-69	42	800	-.02	26	42
21-48-0155	4830275	1085978	4-58	8 303	17,971	3.48	626	19 14,451	3.54	512	12-69	44	882	-.03	27	45
21-48-0155	6578611	1348259	3-66	2 301	17,925	3.66	656	19 15,085	3.55	536	10-69	40	641	.02	26	38
21-48-0180	6054147	1085978	8-63	4 300	20,770	3.27	680	9 16,318	3.36	549	10-69	44	1,007	-.05	29	50
21-48-0182	5735507	1171436	11-62	6 301	20,198	3.59	725	30 15,905	3.65	581	10-69	36	793	.00	28	44
21-48-0182	5968046	1271019	9-63	4 305	20,270	3.79	768	37 16,135	3.66	590	1-69	44	638	.01	25	37
21-48-0182	6166257	1221835	11-64	4 301	19,595	3.57	700	43 16,420	3.66	601	11-69	44	740	-.03	22	37
21-48-0182	6191041	1278644	11-64	4 293	21,765	3.55	773	41 16,745	3.62	607	12-69	44	1,011	-.06	28	49
21-48-0182	6413334	1348259	11-65	2 305	21,825	3.30	721	26 16,915	3.48	589	4-69	40	870	-.02	28	46
21-48-0182	6502365	1469496	3-66	2 305	21,970	3.57	785	29 16,590	3.57	593	11-69	25	714	.00	26	40
21-48-0182	6652968	1348259	10-66	1 304	19,950	3.65	729	45 16,070	3.71	596	11-68	36	668	.01	25	38
21-48-0182	6795220	1348259	3-67	1 305	23,090	3.64	840	37 16,640	3.65	608	1-69	36	864	.01	32	49
21-48-0182	6928087	1348259	10-67	1 305	22,270	3.59	800	37 18,560	3.42	635	12-69	36	674	.03	28	41
21-48-0182	6928088	1348259	11-67	1 305	22,790	3.86	879	30 18,160	3.36	610	2-70	36	740	.06	35	48
21-48-0186	5858791	1363715	2-63	5 283	18,490	3.34	618	21 13,228	3.55	470	2-70	35	807	-.05	22	39
21-48-0229	6133776	1085978	8-64	3 305	18,560	3.66	679	23 16,233	3.67	595	5-69	42	732	-.02	23	38
21-48-0229	6133779	1085978	9-64	3 305	19,917	3.82	760	17 16,217	3.64	591	4-69	42	889	.01	33	50
21-48-0229	6594531	1085978	2-65	3 299	18,083	3.78	684	17 16,210	3.64	590	4-69	42	679	.00	25	38
21-48-0229	6594532	1348259	2-66	2 297	18,425	4.26	784	21 16,045	3.68	590	3-69	40	604	.08	34	44
21-48-0229	6729096	1348259	12-66	1 305	19,220	3.89	747	23 15,330	3.81	584	2-69	36	663	.02	27	40
21-48-0229	6945589	1348259	12-67	1 305	20,220	3.85	778	19 14,720	3.76	553	3-70	36	779	.02	31	46
21-48-0344	6018217	1237057	10-63	4 301	21,680	3.25	705	51 15,960	3.75	599	1-70	44	1,011	-.12	19	42
21-48-0344	6497184	010275932	11-65	2 305	22,250	3.66	814	52 17,170	3.76	646	12-69	40	682	.00	25	38
21-48-0344	6735958	1239242	10-66	2 305	24,760	3.30	816	46 17,180	3.77	647	12-69	40	1,070	-.08	27	50
21-48-0441	5326745	1085978	2-61	7 302	22,859	4.05	925	29 18,941	3.61	684	2-70	44	992	.07	46	64
21-48-0441	6059423	1085978	2-64	3 305	24,313	3.73	907	18 18,193	3.61	657	4-69	42	1,190	.00	43	67
21-48-0441	6232875	1239886	8-64	3 305	22,787	3.44	785	22 18,110	3.69	668	5-69	42	726	-.01	25	40
21-48-0441	6234137	1085978	10-64	3 303	21,930	3.6										

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	OOL- LARS			
21-49-0014	6844041	1348259	6-67	1 302	20,120	4.00	805	24	16,340	3.68	601	9-69	36	663	.04	30	\$ 42
21-49-0014	6982617	1348259	9-67	1 305	20,030	3.99	799	21	16,570	3.58	593	2-70	36	641	.05	30	42
21-49-0017	5805902	1239886	1-63	3 278	18,563	3.94	732	16	15,147	3.68	557	1-69	42	547	.08	31	40
21-49-0017	5995472	1278644	12-63	3 301	21,073	3.75	791	14	15,350	3.74	574	12-68	8 42	1,040	-.04	32	54
21-49-0020	6299024	1348259	4-65	2 305	21,895	3.78	828	48	16,630	3.62	602	10-69	40	903	.03	37	54
21-49-0020	6449734	1442431	10-65	3 305	21,973	3.55	779	42	16,423	3.71	610	2-70	41	809	-.05	22	39
21-49-0034	6827587	1348259	1-67	2 200	20,590	3.49	718	5	17,410	3.64	634	4-70	8 40	699	-.02	23	37
21-49-0039	6116035	1239886	3-64	3 305	18,643	3.75	700	24	13,760	3.64	501	9-68	42	700	.05	33	46
21-49-0039	6497614	1239886	4-65	3 305	18,193	3.69	671	24	14,693	3.57	525	11-69	42	551	.05	27	37
21-49-0044	5983011	1085978	3-63	5 305	16,862	3.61	608	13	14,360	3.68	528	8-69	44	750	-.03	23	39
21-49-0046	5925645	1276654	6-63	3 305	20,737	3.53	731	15	16,030	3.38	542	7-69	42	706	.00	26	40
21-49-0055	5223607	1085978	7-60	7 299	18,073	3.52	636	17	14,633	3.60	527	5-69	44	874	-.03	27	45
21-49-0055	6459877	1085978	9-65	3 300	18,593	3.53	656	20	15,970	3.63	580	9-69	42	763	-.04	22	38
21-49-0061	6232395	1245520	2-65	3 304	21,760	3.24	706	7	15,403	3.36	518	3-69	42	1,005	-.07	26	48
21-49-0075	5951057	1049547	8-63	4 301	23,493	2.94	690	17	16,773	3.36	563	8-69	H 44	1,070	-.14	18	43
21-49-0075	6275917	1085978	10-64	3 305	19,040	3.81	726	15	17,453	3.31	578	8-69	42	661	.05	31	43
21-49-0075	6275924	1221835	11-64	2 305	21,465	2.87	616	24	16,695	3.14	524	8-69	40	849	-.08	19	38
21-49-0075	6414292	1221835	10-65	3 293	22,897	3.06	700	26	17,740	3.22	571	11-69	42	962	-.07	24	45
21-49-0075	7039297	1348259	9-67	1 305	25,630	3.45	884	24	18,590	3.37	626	12-69	36	922	.00	34	52
21-49-0080	6493394	1455632	11-65	2 305	20,670	3.47	718	7	15,120	3.65	552	3-70	29	773	-.04	22	38
21-49-0089	5930991	1124780	8-63	3 300	24,287	3.04	738	35	16,223	3.42	555	11-68	42	1,036	-.08	26	48
21-49-0089	6210217	1303198	10-64	2 305	23,010	3.32	763	42	16,595	3.52	584	8-69	40	857	-.03	26	44
21-49-0102	6035387	1085978	3-63	5 301	19,074	3.51	670	11	16,054	3.56	571	1-70	44	839	-.03	26	43
21-49-0102	6755592	1085978	1-67	1 302	19,590	3.21	629	10	15,830	3.49	553	5-69	36	776	-.05	20	37
21-49-0102	7071189	1458744	2-68	1 305	20,750	3.28	680	14	17,960	3.61	649	3-70	36	796	-.05	22	39
21-49-0147	5854197	1085978	8-62	5 279	17,882	3.57	638	17	14,582	3.51	512	6-69	44	856	-.01	29	46
21-49-0148	5539955	1221835	12-61	5 305	23,020	3.55	818	19	17,964	3.46	621	4-69	44	1,017	-.01	35	55
21-49-0148	6499513	1245520	5-65	3 305	22,350	2.88	643	14	16,270	3.48	566	7-69	42	983	-.14	14	37
21-49-0148	6996529	1458744	12-67	1 294	24,710	3.22	796	34	18,870	3.29	621	2-70	36	1,030	-.03	33	54
21-49-0148	7151462	1458744	3-68	1 305	22,660	3.23	732	24	18,900	3.21	607	3-70	36	875	-.02	29	47
21-49-0154	5793522	1404202	3-63	4 305	19,580	3.34	653	8	13,272	3.62	480	11-68	43	1,064	-.10	24	48
21-49-0156	5816269	1085978	4-63	3 305	18,857	3.46	652	22	12,703	3.50	445	9-69	42	1,131	-.03	36	59
21-49-0156	6241110	1140763	12-64	3 305	19,103	3.63	693	12	13,027	3.54	461	3-69	42	612	.05	30	41
21-49-0156	6546469	1085978	10-64	3 298	15,333	3.53	541	16	12,317	3.52	433	5-69	42	766	-.02	24	40
21-49-0158	5859347	1240125	12-61	6 300	15,760	3.52	554	23	12,183	3.47	423	3-70	44	716	-.01	24	39
21-49-0171	6312164	1278644	6-65	2 305	18,405	3.27	601	24	13,535	3.53	478	12-68	40	868	-.08	19	38
21-49-0181	6628015	1451575	9-66	2 305	19,295	3.42	660	9	13,390	3.70	495	8-69	30	898	-.04	26	45
21-49-0181	6663980	1451575	10-66	2 304	22,045	3.40	750	15	13,185	3.69	487	1-70	30	1,248	-.05	38	64
21-49-0186	5910397	1085978	9-63	5 287	18,576	3.56	662	24	16,348	3.49	571	1-70	44	740	-.01	25	40
21-49-0186	5987356	1239886	12-63	4 305	21,200	3.07	650	19	15,315	3.61	553	11-69	44	880	-.07	22	41
21-49-0186	6339617	1239242	2-65	2 305	21,920	3.19	700	11	16,730	3.45	577	2-70	40	822	-.05	22	40
21-49-0188	6129466	1412792	8-64	3 297	26,283	3.39	890	18	19,120	3.54	677	11-69	33	1,233	-.03	40	65
21-49-0188	6482155	1272013	1-66	3 305	24,937	3.50	873	7	18,423	3.61	665	3-70	42	1,057	-.06	29	51
21-49-0188	6482693	1085978	8-65	3 297	27,197	3.69	1003	17	19,050	3.52	670	12-69	42	1,433	.01	53	81
21-49-0224	5615447	1085978	10-61	3 300	19,817	3.38	670	11	16,227	3.56	577	3-69	8 42	877	-.05	24	43
21-49-0288	4321768	1217303	10-56	3 304	23,127	3.27	756	16	15,733	3.50	551	2-69	34	954	-.04	28	48
21-49-0298	5944800	1085978	6-63	4 298	16,883	3.65	616	43	14,983	3.56	534	10-69	44	675	-.01	23	37
21-49-0333	6837178	1348259	9-65	2 304	17,740	3.43	608	25	14,480	3.46	501	10-69	40	678	.00	24	38
21-49-0452	5121762	1112211	5-60	7 304	19,446	3.61	702	40	15,640	3.64	569	9-69	44	881	-.03	28	46
21-49-0452	6578456	1389471	5-66	2 305	21,065	3.45	727	66	15,825	3.50	554	1-70	40	776	-.05	21	38
21-49-0452	6705634	1389471	10-66	2 305	21,135	3.45	730	59	15,990	3.51	561	2-70	40	768	-.05	21	37
21-49-0452	6721684	1389471	9-66	2 303	21,665	3.64	789	71	15,850	3.51	557	12-69	40	835	-.02	27	44
21-49-0452	6799254	1389471	1-67	2 305	23,155	3.42	792	59	16,375	3.54	579	2-70	40	938	-.05	26	46
21-49-0452	7054760	1278644	12-67	1 305	24,020	3.75	900	72	16,130	3.61	583	1-70	36	1,006	-.04	31	52
21-49-0488	5930068	1085978	7-63	5 302	18,640	3.47	646	11	14,536	3.58	521	3-70	44	959	-.04	29	49
21-49-0488	5930070	1085978	7-63	4 301	17,508	3.58	627	14	15,365	3.53	543	1-70	44	710	-.02	23	38
21-49-0488	5930075	1085978	8-63	3 305	18,357	4.18	768	12	15,203	3.49	530	3-70	42	815	.07	40	54
21-49-0488	6595409	1278644	9-64	3 305	19,097	2.94	561	28	13,883	3.46	480	10-69	42	964	-.13	15	37
21-49-0535	4605490	1216957	4-58	8 297	21,700	3.38	734	36	15,284	3.47	531	8-69	44	856	-.01	30	47
21-49-0572	5765575	1333022	3-61	6 299	18,662	3.53	659	33	14,453	3.47	501	2-69	35	673	.01	26	39
21-49-0572	6193560	1085978	8-63	4 305	18,123	3.47	628	37	15,245	3.53	538	4-69	44	799	-.03	24	41
21-49-0589	6469625	1278644	8-65	3 305	19,990	3.45	680	18	14,893	3.40	506	12-69	42	928	-.05	26	46
21-49-0620	6138108	1085978	9-64	3 305	15,843	3.41	541	12	12,453	3.63	452	12-69	42	810	-.05	22	39
21-49-0770	6188268	1387603	11-64	3 283	19,613	3.75	736	33	16,566	3.69	612	9-69	32	708	.00	26	40
21-49-0973	5231105	1085978	12-60	6 305	20,667	3.35	692	13	15,895	3.52	560	6-69	44	1,062	-.06	30	52
21-49-0973	5931674	1389471	10-63	4 303	20,693	3.46	716	32	15,668	3.45	541	10-69	44	855	-.04	25	43
21-49-0984	6856445	1348259	8-66	2 293	18,915	3.45	653	63	15,025	3.54	532	10-69	40	747	-.01	26	41
21-49-0984	6856446	1348259	9-66	2 305	18,820	3.52	633	51	15,405	3.52	543	12-69	40	703	.00	26	40
21-49-0984	6909644	1261857	11-67	1 286	18,080	3.74	676	69	15,390	3.57	549	8-69	36	681	.08	36	48
21-49-0984	6909645	1261857	11-67	1 305	17,770	3.58	637	68	15,500	3.							

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COU'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C MO-YR D	.....C O W MILK (L8)	I N D E X..... FAT (%) (L8)	..... FAT (%) (L8)	..... OOL- LARS
21-50-0146	6321032	1085978	12-64	4 297 21,255 3.07 653	48 17,470 3.53 616	11-69	44	939	-.11	18 \$ 39
21-50-0146	6559398	1278644	1-66	3 300 21,410 3.39 725	64 17,227 3.58 616	9-69	42	884	-.08	20 40
21-50-0146	6971205	1085978	9-67	1 305 20,830 3.94 820	57 16,630 3.54 588	10-69	36	815	.02	32 48
21-50-0225	4923175	1222994	9-59	5 301 17,686 3.26 577	21 13,220 3.51 464	3-69	44	848	-.04	24 42
21-50-0530	5309884	1085978	11-60	5 293 19,516 3.64 710	28 15,364 3.53 543	9-68	44	976	-.01	34 54
21-50-0530	5810686	1085978	11-62	5 299 22,182 3.27 725	26 15,876 3.48 552	10-68	44	1,260	-.07	35 62
21-50-0530	5956565	1085978	11-63	5 294 20,806 3.27 681	28 16,470 3.46 570	11-69	44	1,014	-.06	27 49
21-50-0530	6477667	1085978	9-65	3 305 18,677 3.54 661	32 16,437 3.46 569	12-69	42	724	-.01	24 39
21-50-0530	6632358	1085978	9-66	2 300 19,550 3.43 671	34 17,260 3.45 596	10-69	40	719	-.03	22 37
21-50-0650	6166856	1222994	12-62	5 305 20,140 3.74 753	15 17,286 3.70 640	3-69	44	692	.01	26 40
21-50-0650	6325363	1222994	8-64	4 305 18,953 3.90 739	9 15,528 3.74 580	8-69	44	727	.03	31 45
21-50-0650	6416975	1278644	2-65	4 304 24,603 3.21 790	20 17,810 3.66 652	3-70	44	1,243	-.13	25 53
21-50-0650	6498043	1085978	1-65	4 300 20,050 3.75 752	21 17,963 3.60 647	2-70	44	735	.00	27 41
21-50-0689	6305753	1085978	1-65	2 295 16,890 3.66 618	16 13,605 3.47 472	7-69	40	783	.00	28 44
21-50-0840	6241337	1239886	1-65	4 301 21,945 3.73 818	23 18,370 3.53 649	3-70	44	633	.06	32 43
21-50-0840	6639036	1278644	9-66	2 305 25,515 2.93 748	25 18,945 3.48 659	10-69	40	1,096	-.15	17 43
21-50-0843	4540136	1085978	12-57	9 299 17,581 3.69 649	25 14,191 3.64 517	12-69	44	862	-.01	30 47
21-50-0843	6862422	1312008	7-66	2 305 20,030 3.71 744	29 16,160 3.60 581	3-70	40	529	.07	29 38
21-50-0995	6104873	1312008	2-64	4 305 20,687 3.15 651	17 14,355 3.42 491	11-69	44	894	-.02	30 48
21-52-0001	6050920	1085978	1-64	4 304 19,758 3.38 667	20 15,668 3.77 590	10-69	44	954	-.08	23 44
21-52-0001	6795392	1348259	12-66	1 305 20,050 3.53 708	13 16,350 3.59 587	1-70	36	657	.00	24 37
21-52-0020	5833339	1365896	4-63	4 305 18,465 3.58 661	17 13,872 3.46 480	7-69	36	834	.01	31 47
21-52-0023	5838919	1404931	3-63	3 305 23,146 3.51 812	32 14,496 3.65 529	10-68	41	1,214	-.06	34 60
21-52-0032	6365145	1085978	4-65	3 302 18,087 3.38 612	30 15,080 3.49 527	10-69	42	797	-.04	23 40
21-52-0032	6682245	1348259	8-66	2 305 21,120 3.37 712	29 15,595 3.48 542	10-69	40	919	-.01	31 50
21-52-0034	6270324	1312008	10-64	3 304 18,876 4.12 777	12 16,163 3.63 586	10-69	42	447	.12	34 40
21-52-0034	6465246	1348259	8-65	2 305 21,935 3.41 748	15 17,165 3.52 604	3-69	40	858	-.01	29 46
21-52-0034	6787625	1252934	10-66	1 305 21,520 3.96 853	23 16,820 3.53 594	1-69	36	540	.06	28 37
21-52-0034	6900580	1348259	8-67	1 305 23,780 3.57 849	21 16,880 3.66 618	1-70	36	899	.00	32 50
21-52-0053	5514406	1239886	1-62	6 304 19,125 3.93 751	15 15,928 3.62 577	2-70	44	573	.08	33 42
21-52-0053	5930592	1278644	8-63	5 299 18,602 3.61 672	22 15,340 3.65 560	10-69	44	791	-.05	21 38
21-52-0053	6664172	1460623	7-66	2 305 20,130 3.50 704	22 15,095 3.66 553	10-69	30	736	-.02	23 38
21-52-0053	6907760	1458744	10-67	1 275 19,860 3.21 637	18 16,390 3.55 582	1-70	36	835	-.05	23 41
21-52-0055	5933097	1085978	9-63	4 242 17,965 3.81 684	9 14,768 3.66 541	8-69	44	833	.00	30 47
21-52-0055	6115885	1085978	11-63	1 305 23,620 3.44 813	16 17,040 3.67 625	10-69	36	996	-.05	29 50
21-52-0056	6597469	1458744	8-66	2 305 19,370 3.54 685	9 15,220 3.65 556	3-70	40	959	-.02	31 51
21-52-0063	6365426	1312008	8-65	2 301 19,780 3.33 659	23 14,510 3.54 513	11-69	40	654	.02	26 39
21-52-0065	5667286	1085978	10-62	6 304 20,485 3.30 676	20 17,847 3.57 638	11-69	44	812	-.07	19 37
21-52-0065	6367937	1085978	3-65	3 305 19,890 3.68 732	25 17,047 3.82 651	12-69	42	800	-.03	24 41
21-52-0065	6548647	1348259	10-65	3 305 21,470 3.65 783	17 18,700 3.56 665	3-70	42	703	.02	28 41
21-52-0071	5492378	1240125	11-61	7 299 21,403 3.59 769	36 17,566 3.72 653	12-69	44	819	-.03	25 42
21-52-0071	5975267	1278644	8-63	4 305 21,728 3.35 727	42 17,350 3.76 652	11-69	44	940	-.11	17 39
21-52-0071	6521077	1278644	1-66	2 305 25,070 3.56 893	36 17,735 3.72 660	12-69	40	1,161	-.07	32 57
21-52-0078	5358549	1085978	6-61	5 304 17,812 3.14 560	31 14,700 3.51 516	6-69	44	833	-.08	18 37
21-52-0078	5616663	1085978	7-62	5 298 19,792 3.20 634	34 15,488 3.45 534	9-69	44	997	-.07	26 47
21-52-0078	6268587	1242163	1-65	3 305 21,013 2.97 625	43 14,150 3.46 490	8-69	42	1,156	-.20	12 40
21-52-0078	6521908	1406271	2-66	2 305 17,435 4.22 735	50 14,330 3.56 510	11-69	40	750	.11	43 55
21-52-0078	6583499	1406271	3-66	1 305 19,290 3.34 644	21 14,230 3.55 505	3-69	36	838	.01	32 48
21-52-0078	6690214	1406271	11-66	1 305 19,260 3.42 658	21 14,230 3.55 505	3-69	36	836	.02	33 49
21-52-0091	5676225	1244845	10-62	3 305 20,413 3.47 708	16 15,237 3.81 581	10-69	42	830	-.07	19 37
21-52-0091	6232888	1199324	11-64	3 305 20,793 3.70 770	11 17,206 3.64 627	6-69	42	914	.00	33 51
21-52-0091	6492144	1406271	11-65	2 305 21,370 3.88 830	14 16,985 3.66 622	7-69	40	907	.06	42 58
21-52-0091	6649427	1406271	11-66	1 305 22,280 4.24 945	7 16,190 3.85 624	2-69	36	929	.08	46 62
21-52-0098	5948065	1085978	9-63	5 301 18,310 3.57 653	20 15,464 3.70 572	10-69	44	808	-.03	24 41
21-52-0098	6264449	1221835	12-64	3 305 19,473 3.41 665	24 15,090 3.71 560	9-69	42	843	-.06	22 40
21-52-0098	6614493	1221835	5-66	2 305 19,065 3.78 721	27 15,755 3.71 584	9-69	40	691	-.01	24 38
21-52-0100	4932573	1085978	10-58	7 299 17,277 3.87 668	9 14,677 3.66 537	12-69	44	767	.02	30 45
21-52-0100	5952621	1085978	4-63	4 301 19,430 3.34 648	5 14,950 3.60 538	3-69	44	994	-.07	26 47
21-52-0100	6358780	1085978	11-63	4 303 18,735 3.74 700	19 16,145 3.63 586	12-68	44	775	-.01	27 43
21-52-0102	5503234	1307797	11-60	4 305 18,348 3.40 624	23 12,685 3.49 443	11-69	34	844	-.02	27 44
21-52-0102	6696730	1261857	10-66	1 305 16,720 3.71 620	27 12,580 3.59 451	10-69	36	769	.07	38 51
21-52-0102	6708267	1261857	9-66	1 305 17,500 3.55 621	22 13,790 3.60 496	1-70	36	746	.06	36 49
21-52-0102	6708268	1261857	9-66	1 274 15,830 3.49 552	17 14,200 3.59 510	2-70	36	594	.05	29 39
21-52-0102	6708269	1261857	9-66	2 303 17,565 3.73 655	26 13,770 3.54 488	1-70	40	825	.08	42 56
21-52-0106	7023071	1417208	7-67	1 305 22,780 3.07 699	21 16,650 3.75 625	10-69	36	912	-.07	23 43
21-52-0113	6152408	1085978	9-64	3 302 21,527 3.35 721	19 17,487 3.45 603	12-69	42	943	-.05	27 47
21-52-0113	6974340	1278644	10-66	1 305 21,600 3.59 776	12 15,610 3.52 550	7-69	36	861	-.05	24 42
21-52-0116	5243332	1085978	9-60	7 304 17,906 3.48 623	17 14,086 3.51 494	6-69	44	916	-.03	29 48
21-52-0116	5851915	1240125	10-62	5 303 18,300 3.50 640	13 14,788 3.52 521	3-69	44	741	-.02	24 39
21-52-0124	5876517	1221835	2-63	5 297 19,774 3.65 722	25 16,834 3.65 614	1-70	44	730	-.02	24 39
21-52-0154	4809225	1241458	10-58	6 305 18,543 3.46 642	11 13,473 3.68 496	4-69	38	899	-.03	28 47
21-52-0154	6577940	1458744	7-66	2 299 18,540 3.52 653	23 15,765 3.64 574	12-69	40	825	-.03	26 43
21-52-0155	5535321	1085978	9-61	3 246 18,120 3.76 681	14 16,530 3.53 584	3-70	42	650	.01	25 38
21-52-0155	6022116	1085978	10-63	4 279 18,840 3.57 672	11 16,803 3.58 602	1-70	44	715	-.03	22 37
21-52-0155	6052755	1239886	11-63	3 305 19,770 3.40 672	15 14,377 3.60 518	12-69	42	766	.00	28 43
21-52-0155	6125767	1240125	7-63	5 300 21,794 3.40 742	11 17,028 3.61 615	12-69	44	932	-.05	26 46
21-52-0163	6685275	1085978	11-66	1 305 18,750 3.17 595	29 13,520 3.57 483	9-69	36	869	-.06	22 41
21-52-0166	5233647	1085978	12-60	6 281 19,483 3.43 668	26 15,705 3.62 568	11-68	44	932	-.05	26 46
21-52-0167	5956165	1399197	10-63	3 302 24,186 3.34 808	18 17,110 3.61 618	2-69	36	1,350	-.05	41 69
21-52-0167	6091967	1239886	1-63	4 305 21,453 3.55 761	20 16,823 3.62 609	12-69	44	744	.01	29 43
21-52-0167	6110965	1239886	2-64	3 305 21,227 3.49 740	22 17,143 3.52 604	4-69	42	647	.03	27 39
21-52-0167	6181854	1426391	1-64	3 305 20,637 3.61 744	21 16,113 3.61 581	9-69	29	676	.00	25 38
21-52-0167	6266015	1085978	1-65	4 304 22,093 3.54 783	19 17,943 3.57 641	3-70	44	990	-.02	32 52
21-52-0167	6266016	1085978	2-65	3 299						

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C MO-YR O	.....C O W I N O E X..... MILK FAT (%) (L8) FAT (%) (L8) DOL- LARS
21-52-0170	7080825	1428145	10-66	1 305 21,440 3.54 758	19 15,910 3.65 581	10-69 33	818 -.05 22 \$ 39
21-52-0185	5942566	1240125	9-63	2 305 24,490 3.12 764	12 19,470 3.49 680	3-69 40	863 -.08 20 39
21-52-0185	6756827	1348259	7-66	1 305 21,860 3.55 776	14 19,430 3.23 628	6-69 36	585 .03 26 37
21-52-0185	6756828	1348259	11-66	1 305 25,490 3.36 857	17 19,680 3.30 649	8-69 36	839 .00 31 48
21-52-0194	5550512	1350848	2-62	3 302 21,470 3.56 764	15 16,770 3.69 619	9-69 41	823 -.07 20 38
21-52-0194	6971470	1221835	9-65	2 305 20,865 3.37 703	7 16,220 3.59 582	5-69 40	831 -.05 22 40
21-52-0202	5271130	1179372	7-60	7 304 18,343 3.47 637	23 14,993 3.49 524	11-69 8 44	651 .00 24 37
21-52-0202	5861503	1085978	12-62	3 304 18,130 4.03 731	26 14,770 3.51 519	9-68 42	834 .05 37 52
21-52-0202	6014656	1085978	12-63	2 305 21,705 3.44 746	29 15,865 3.53 560	2-69 40	1,065 -.04 33 55
21-52-0202	6135363	1085978	12-63	3 271 18,747 3.49 654	29 16,200 3.60 583	2-70 8 42	757 -.04 22 38
21-52-0202	6440810	1085978	11-65	3 305 20,670 3.65 755	26 16,317 3.60 587	11-69 42	966 -.01 33 52
21-52-0202	6707162	1085978	3-65	2 305 20,530 3.51 721	25 16,920 3.65 617	10-69 40	850 -.04 25 43
21-52-0216	6129093	1239886	2-64	4 305 22,160 3.27 724	8 16,988 3.63 617	1-70 44	813 -.04 24 41
21-52-0224	6712640	1441298	6-66	1 284 20,790 3.14 653	15 17,510 3.41 597	10-68 8 33	919 -.10 19 40
21-52-0234	5890256	1085978	8-63	4 305 19,265 3.09 595	28 14,425 3.35 483	1-70 44	1,031 -.07 26 48
21-52-0234	5949489	1240125	12-63	3 305 17,453 3.25 567	38 13,403 3.34 448	11-69 42	747 -.03 22 38
21-52-0235	5921721	1237057	10-63	4 305 19,230 3.52 676	25 14,340 3.72 533	8-69 44	889 -.06 23 42
21-52-0235	6369307	1417208	7-65	2 296 19,770 3.62 723	19 14,680 3.58 526	6-69 40	932 .02 36 54
21-52-0235	6958845	1441298	8-67	1 305 20,880 3.46 722	21 16,150 3.57 576	1-70 33	1,022 -.07 26 48
21-52-0239	5399086	1085978	8-60	3 298 18,187 4.02 732	15 15,600 3.65 570	5-69 42	754 .03 32 46
21-52-0254	5940015	1416648	11-63	5 291 22,422 3.74 839	13 18,988 3.63 690	11-69 35	698 .05 32 45
21-52-0254	6201937	1239886	10-64	3 300 23,473 3.32 779	13 18,997 3.65 694	2-70 42	713 -.03 22 37
21-52-0254	6290030	1085978	10-64	3 219 21,147 3.81 805	14 18,707 3.76 703	3-69 8 42	773 -.01 27 42
21-52-0254	7028626	1239242	7-67	1 305 25,100 3.41 857	19 18,900 3.65 689	10-69 36	783 -.04 23 39
21-52-0263	5475120	1199324	8-61	5 301 24,160 3.79 915	6 17,376 3.64 632	12-68 8 44	1,367 .02 52 79
21-52-0263	6556921	1406271	1-66	1 305 21,740 3.74 813	14 19,280 3.57 689	9-68 36	682 .05 32 44
21-52-0263	6685853	1348259	9-66	1 305 26,930 3.27 880	15 19,890 3.62 721	11-68 36	932 -.04 28 47
21-52-0263	6685854	1406271	9-66	2 162 21,040 3.63 763	13 17,975 3.51 631	9-69 8 40	783 .04 34 49
21-52-0268	6017981	1085978	8-63	3 304 19,390 3.59 697	23 16,027 3.55 569	2-69 42	849 -.02 28 45
21-52-0268	6017982	1244009	9-63	3 305 20,030 3.44 689	23 15,733 3.57 561	4-69 42	937 -.06 25 45
21-52-0268	6190125	1239886	12-64	2 305 20,825 3.48 724	28 15,845 3.48 552	3-69 40	670 .03 28 41
21-52-0268	6397729	1085978	3-65	3 305 18,357 3.48 639	35 16,173 3.47 561	10-69 42	715 -.03 22 37
21-52-0268	6789904	1272013	3-66	2 305 22,430 3.28 736	36 16,370 3.51 575	9-69 40	906 -.09 20 40
21-52-0268	6962875	1348259	10-67	1 305 19,400 3.96 768	39 16,120 3.64 587	12-69 36	624 .04 28 39
21-52-0269	5648258	1179372	10-61	4 305 21,333 3.42 730	12 16,795 3.61 607	9-68 44	804 -.03 25 42
21-52-0269	5648260	1179372	12-61	6 305 19,288 3.90 752	13 17,203 3.56 613	1-70 44	516 .06 28 37
21-52-0277	5564313	1085978	8-61	3 305 15,903 3.68 586	32 13,670 3.28 449	9-68 42	691 .02 28 41
21-52-0277	5877519	1221835	12-62	4 270 21,138 3.20 677	19 15,098 3.30 498	4-69 8 44	1,078 -.05 31 54
21-52-0277	6330221	1085978	11-64	2 241 19,140 2.86 548	21 14,005 3.25 455	3-69 8 40	975 -.09 22 44
21-52-0277	6738226	1348259	6-66	1 282 17,640 3.63 640	29 14,420 3.36 484	12-68 8 36	607 .03 26 37
21-52-0287	5281549	1085978	1-61	5 305 19,924 3.28 654	10 16,262 3.57 581	6-69 44	924 -.07 23 43
21-52-0287	5347693	1348259	10-60	4 300 19,805 3.73 739	10 17,128 3.58 614	3-70 44	798 .00 29 45
21-52-0287	6064714	1085978	1-64	3 305 21,627 3.34 722	11 16,170 3.66 592	12-68 42	1,091 -.07 29 52
21-52-0287	6564957	1348259	5-66	2 305 22,705 3.34 759	13 17,320 3.61 626	2-70 40	922 -.04 28 47
21-52-0287	6709680	1348259	8-66	2 292 21,660 3.47 751	15 17,365 3.69 640	12-69 40	812 -.02 26 43
21-52-0310	5910548	1094074	9-63	3 305 22,393 3.38 756	40 13,807 3.53 487	6-69 42	983 -.04 29 50
21-52-0331	6486442	1239886	10-64	2 305 21,500 3.46 743	30 16,340 3.59 587	9-68 40	693 .01 26 40
21-52-0331	6629510	1221835	9-66	1 305 22,060 3.69 813	38 16,900 3.56 601	9-69 36	765 -.01 26 41
21-52-0331	6730028	1348259	2-66	2 305 21,730 3.12 678	33 17,155 3.50 600	1-70 40	838 -.06 22 40
21-52-0338	7100626	1348259	8-67	1 305 19,990 3.49 697	22 14,880 3.41 508	8-69 36	751 .01 28 43
21-52-0338	7100627	1348259	8-67	1 284 18,380 3.37 620	7 13,310 3.76 501	11-69 36	736 -.02 23 38
21-52-0360	6707053	1348259	9-66	2 300 21,375 3.20 684	33 16,510 3.74 617	10-69 40	861 -.07 21 40
21-52-0360	6810464	1348259	1-67	2 298 20,410 3.67 749	20 16,800 3.71 624	12-69 40	737 .00 27 42
21-52-0363	5930591	1278644	7-63	3 259 19,613 3.17 621	11 14,353 3.60 516	9-68 8 42	975 -.11 19 41
21-52-0379	6480076	1416743	11-65	2 300 18,950 3.60 682	40 14,965 3.53 528	12-69 34	628 .03 27 39
21-52-0379	6704750	1458744	9-66	1 305 19,920 3.64 726	55 14,500 3.48 505	9-69 36	966 .00 35 54
21-52-0379	6704751	1458744	12-66	1 305 15,980 3.67 587	48 13,980 3.44 481	7-69 36	708 .00 26 40
21-52-0379	6920195	1347940	5-67	1 305 19,640 3.58 704	58 14,210 3.49 496	8-69 36	976 .00 35 54
21-52-0379	6964080	1458744	4-66	2 305 21,335 3.56 760	43 14,885 3.47 517	11-69 40	1,189 .00 43 67
21-52-0431	6570592	1441026	9-65	2 304 18,655 3.78 706	23 16,780 3.65 612	7-69 36	757 -.02 24 40
21-52-0431	6819428	1261857	5-67	1 305 23,990 4.19 1006	9 17,980 3.76 676	3-70 36	948 .12 52 68
21-52-0431	7005136	1377954	9-67	1 286 21,800 3.62 789	16 18,410 3.82 703	1-70 36	657 .00 24 37
21-52-0577	5385310	1085978	8-61	6 300 20,103 3.68 740	42 17,950 3.62 649	12-68 44	751 -.01 26 41
21-52-0577	5957485	1085978	11-63	3 305 22,430 3.43 769	38 17,947 3.61 647	8-69 42	999 -.05 29 50
21-52-0577	6455866	1348259	12-65	3 292 21,233 3.55 753	50 18,490 3.63 634	10-69 42	698 .02 28 41
21-52-0577	6648208	1312008	10-66	2 305 23,785 3.43 817	49 18,630 3.41 636	1-70 40	684 .04 31 43
21-52-0577	6681677	1278644	11-66	2 305 23,685 3.09 733	40 18,615 3.46 645	2-70 40	940 -.11 17 39
21-52-0577	6706287	1312008	11-66	1 305 23,850 3.51 838	54 18,370 3.32 610	12-68 36	562 .07 30 39
21-52-0577	6914913	1348259	10-67	1 305 24,870 3.58 891	48 19,050 3.49 664	1-70 36	835 .01 32 48
21-52-0637	6380610	1085978	10-63	4 297 18,618 3.60 671	13 16,243 3.64 592	2-70 44	749 -.03 23 39
21-52-0637	6831593	1085978	11-64	3 305 19,370 3.25 629	8 14,357 3.64 522	11-69 42	1,019 -.08 25 47
21-52-0649	5954865	1271075	7-63	3 305 19,553 3.55 695	11 15,670 3.64 570	4-69 42	893 -.01 30 48
21-52-0649	5954867	1271075	10-63	4 298 19,115 3.31 633	10 15,888 3.66 581	3-69 43	836 -.06 22 40
21-52-0649	6642839	1271075	3-65	3 303 17,423 3.59 625	14 15,423 3.58 552	6-69 42	670 .00 24 37
21-52-0649	6954471	1458063	3-66	2 305 21,670 3.32 720	19 15,050 3.71 559	9-69 33	1,069 -.08 26 49
21-52-0650	6254819	1085978	12-64	3 305 18,607 3.36 625	27 15,160 3.61 547	12-69 42	848 -.06 22 40
21-52-0651	5877542	1085978	9-63	4 272 17,435 3.58 624	25 15,308 3.49 534	9-69 44	707 -.01 24 38
21-52-0651	6300711	1085978	1-65	2 303 19,340 3.63 703	14 16,030 3.51 563	3-70 40	810 -.01 28 44
21-52-0690	5917875	1239886	11-63	3 305 20,353 3.34 680	23 14,183 3.53 501	5-69 42	853 -.01 30 47
21-52-0690	6090988	1245520	4-64	4 305 21,210 3.61 765	37 14,892 3.55 528	1-70 44	1,043 -.02 34 55
21-52-0690	6127662	1239886	8-64	4 305 19,428 3.07 597	30 14,040 3.56 500	10-69 44	803 -.05 21 38
21-52-0690	6360450	1085978	11-64	3 305 19,783 3.16 626	37 14,320 3.65 523	2-69 42	1,070 -.09 25 49
21-52-0690	6731163	1348259	11-66	2 299 21,335 3.56 759	21 15,165 3.44 522	3-70 40	980 .02 38 57
21-52-0802	6534684	1330587	3-66	3 305 17,603 4.55 801	31 15,883 3.52 559	4-70 42	533 .18 45 51
21-52-0880	5673958	1272013	10-62	4 303 21,258 3.30 702	45 16,493 3.61 595	2-69 44	871 -.09 18 38

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... OOL- LARS	
21-52-0880	6269535	1221835	1-65	3 301	20,530	3.43	705	50	15,510	3.68	570	10-69	42	921	-.06	25	\$ 45
21-52-0880	6468627	1348259	8-65	3 303	21,106	3.61	761	51	16,326	3.67	599	2-70	42	907	.00	33	51
21-52-0880	6468628	1348259	8-65	2 305	21,230	3.69	784	56	16,830	3.68	619	1-70	40	817	.01	31	47
21-53-0017	6138608	1239242	9-64	3 305	19,693	3.82	753	24	14,720	3.67	540	9-69	42	839	.02	33	49
21-53-0017	6959061	1387978	12-67	1 305	21,670	3.28	711	34	16,310	3.65	596	10-69	35	843	-.04	24	42
21-53-0029	6440313	1348259	10-65	2 305	15,495	3.66	567	20	11,740	3.53	415	10-69	40	700	.02	28	41
21-53-0029	6440314	1348259	11-65	3 301	16,560	3.57	592	12	12,666	3.52	446	3-70	42	763	.01	29	44
21-53-0031	6173404	1312008	10-64	4 300	19,282	3.83	739	16	15,060	3.76	566	8-69	44	642	.07	33	44
21-53-0031	6468512	1348259	9-65	3 304	17,660	4.15	733	23	15,976	3.69	589	1-70	42	547	.07	30	39
21-53-0031	6781730	1348259	4-66	3 290	18,990	4.03	766	22	15,320	3.72	570	3-70	42	768	.06	36	50
21-53-0031	7385848	1348259	1-68	1 305	20,850	3.76	785	23	16,060	3.66	588	1-70	36	736	.02	30	44
21-53-0045	5498512	1085978	8-61	6 302	16,232	3.46	562	10	13,528	3.53	478	6-69	44	765	-.03	23	39
21-53-0045	6708364	1348259	5-66	2 305	18,455	3.65	673	11	14,975	3.55	531	3-70	40	705	.02	28	42
21-53-0045	6708366	1348259	12-66	1 305	17,600	3.38	595	11	12,520	3.74	468	9-69	36	731	-.02	23	38
21-53-0063	5669997	1085978	8-61	5 302	16,358	3.66	598	7	14,232	3.37	480	6-69	44	700	.01	27	41
21-53-0067	5669998	1085978	12-61	6 303	19,333	3.66	707	11	15,707	3.64	572	3-70	44	912	-.01	31	49
21-53-0067	5809838	1038509	12-62	3 305	22,747	3.15	717	12	15,530	3.63	564	12-68	42	1,086	-.11	22	46
21-53-0067	6488121	1085978	8-64	4 303	18,768	3.47	652	12	15,585	3.62	564	10-69	44	841	-.04	24	42
21-53-0067	6488122	1085978	11-64	3 299	20,543	3.67	754	15	15,440	3.55	548	5-69	42	1,042	.00	37	58
21-53-0067	6513870	1085978	9-64	3 305	17,837	3.63	647	19	15,427	3.57	551	7-69	42	732	-.02	24	39
21-53-0067	7088756	1085978	3-67	1 305	18,440	3.44	634	22	15,100	3.60	543	7-69	36	740	-.04	21	37
21-53-0075	5757343	1239886	11-62	5 304	18,366	3.71	681	20	14,390	3.58	515	10-69	44	654	.05	31	43
21-53-0146	7218998	1278644	2-67	1 305	19,980	3.59	718	20	14,820	3.61	535	2-70	36	793	-.05	21	38
21-53-0160	6429521	1221835	11-65	2 298	19,700	3.70	729	25	14,130	3.60	509	11-69	40	904	.00	32	50
21-53-0168	6389340	1240125	7-65	1 305	22,040	3.32	732	22	14,710	3.63	534	8-69	36	869	-.04	25	43
21-53-0168	6389341	1221835	9-65	2 292	18,005	3.83	689	21	15,455	3.49	539	1-70	40	611	.02	25	37
21-53-0180	6264555	1085978	12-64	4 302	22,533	3.24	729	16	16,870	3.66	618	12-69	44	1,163	-.10	27	53
21-53-0180	6629441	1348259	1-66	2 305	19,910	3.81	759	16	16,720	3.67	614	1-70	40	693	.03	29	42
21-53-0180	6629445	1348259	5-66	2 305	19,970	3.75	749	14	16,690	3.62	605	2-70	40	702	.03	29	42
21-53-0198	4767940	1085978	8-58	8 302	16,486	3.91	644	11	14,430	3.57	515	7-69	44	693	.03	29	42
21-53-0198	5656370	1085978	8-62	6 304	19,893	3.15	627	31	15,980	3.55	567	10-69	44	953	-.09	21	42
21-53-0198	5939928	1085978	7-63	5 294	18,522	3.44	637	36	16,292	3.52	573	12-69	44	740	-.04	21	37
21-53-0198	6208830	1239886	12-64	2 305	24,205	3.30	798	31	15,790	3.49	551	11-68	40	1,018	-.01	35	55
21-53-0198	6530055	1348259	9-65	3 304	20,303	3.21	651	38	16,373	3.48	569	9-69	42	810	-.04	23	40
21-53-0198	6966804	1404202	6-67	1 305	25,080	3.46	867	46	17,670	3.47	613	11-69	35	911	-.07	23	43
21-53-0198	6966807	1348259	9-67	1 305	24,430	3.57	871	40	17,070	3.51	600	10-69	36	935	.01	35	53
21-53-0198	7099254	1348259	9-67	1 305	22,570	3.51	792	42	17,480	3.47	607	11-69	36	769	.01	29	44
21-53-0204	5848514	1085978	11-62	4 298	19,690	3.37	663	7	16,330	3.47	567	8-69	44	872	-.04	25	43
21-53-0215	5580926	1199324	1-62	6 298	19,146	3.49	669	11	15,240	3.79	578	6-69	44	968	-.05	27	48
21-53-0215	6159111	1417208	11-64	3 305	17,443	4.19	731	15	15,803	3.70	584	7-69	42	605	.08	33	43
21-53-0215	6574061	1417208	2-66	3 287	20,906	3.44	720	19	15,506	3.75	581	12-69	42	1,034	-.04	32	53
21-53-0240	4085606	1024856	7-55	6 305	18,253	3.53	644	11	14,357	3.58	514	7-69	44	615	.05	29	40
21-53-0260	5944723	1244845	9-63	4 286	20,835	3.31	686	12	15,453	3.66	565	3-70	B 44	899	-.08	20	40
21-53-0260	6473350	1389471	11-65	2 305	21,495	3.21	690	12	15,255	3.71	566	5-69	40	872	-.10	17	37
21-53-0260	6798384	1221835	9-66	2 305	19,250	3.59	691	20	14,955	3.67	549	12-69	40	783	-.03	24	40
21-53-0263	6460979	1240125	11-65	2 305	20,340	3.34	680	5	16,245	3.53	574	5-69	40	737	-.04	21	37
21-53-0274	6744097	1348259	10-66	2 305	19,775	3.26	645	19	16,550	3.35	554	3-70	B 40	695	-.01	23	37
21-53-0542	5024743	1228022	9-59	7 305	26,004	3.04	790	19	17,444	3.45	602	12-69	44	1,711	-.15	38	76
21-53-0542	6680628	1348259	8-66	2 305	20,065	3.42	687	25	17,250	3.46	596	11-69	40	661	.00	24	37
21-53-0542	6680630	1348259	10-66	2 305	19,420	3.81	739	17	17,605	3.47	611	1-70	40	563	.05	27	37
21-53-0627	5634244	1370178	5-62	3 304	22,667	3.74	848	11	16,777	3.76	630	10-68	32	1,115	.02	43	65
21-53-0627	5738961	1370178	9-62	6 301	20,547	4.15	853	10	16,878	3.80	642	12-69	35	869	.10	46	61
21-53-0627	5869288	1239886	8-63	3 305	19,860	3.79	753	9	15,303	3.86	590	3-70	42	680	.04	30	43
21-53-0627	6040312	1239886	11-63	4 305	20,080	4.16	836	11	16,840	3.81	641	5-69	44	573	.10	35	44
21-53-0780	5210483	1085978	11-60	7 298	22,190	3.65	809	15	16,426	3.74	614	12-68	44	1,197	-.03	39	63
21-53-0780	6423134	1348259	9-65	2 296	20,250	3.79	767	22	17,445	3.62	632	9-69	40	661	.03	28	40
21-53-0780	6423136	1348259	11-65	3 299	23,270	3.49	812	16	18,223	3.63	662	11-69	42	959	-.02	32	51
21-53-0780	6651820	1278644	10-66	2 305	22,790	3.55	808	21	18,120	3.64	660	10-69	40	895	-.06	23	42
21-53-0780	6935488	1347940	9-67	1 305	24,590	3.70	911	24	18,150	3.62	657	10-69	36	1,081	.01	40	61
21-53-0780	6935490	1348259	10-67	1 305	21,990	3.88	854	13	19,510	3.64	711	12-69	36	590	.03	26	37
21-53-0795	6437711	1452345	8-65	3 297	21,306	3.29	701	12	17,733	3.58	635	2-70	B 38	921	-.07	23	43
21-53-0795	6493565	1452345	8-65	3 304	21,006	3.61	759	12	17,960	3.52	632	1-70	8 38	859	.00	31	48
21-53-0860	5462122	1085978	12-60	6 305	20,735	3.32	688	20	15,908	3.60	572	12-68	44	1,070	-.07	28	51
21-55-0004	6159851	1237057	10-64	4 303	21,265	3.52	749	28	16,618	3.60	599	11-69	44	887	-.05	25	44
21-55-0009	6613513	1278644	11-65	2 305	20,440	3.76	768	31	15,180	3.61	548	11-69	40	925	-.03	29	48
21-55-0011	5216541	1085978	9-60	6 305	21,587	3.54	765	13	18,083	3.72	673	4-69	44	927	-.05	26	46
21-55-0011	6218759	1239886	11-64	4 305	23,723	3.44	817	17	18,943	3.64	690	12-69	44	789	-.01	27	43
21-55-0011	6429604	1348259	10-65	3 305	21,993	3.46	761	13	18,556	3.64	676	8-69	42	778	-.02	25	41
21-55-0011	6934987	1348259	9-67	1 305	23,840	3.46	826	15	19,070	3.66	698	10-69	36	757	-.02	25	40
21-55-0014	5353779	1189870	8-60	6 299	20,785	3.94	818	13	18,155	3.50	63						

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUE).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCT MILK (LB)	ION. FAT (%)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	LAST T CALVO C MO-YR O	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... OOL- LARS				
21-55-0384	6893310	1261857	10-66	1 303	19,160	3.19	611	61	15,740	3.62	570	7-69	36	738	.02	30	\$ 44
21-55-0439	6047144	1085978	3-64	4 303	18,485	3.64	672	14	16,345	3.63	593	7-69	44	722	-.02	23	38
21-55-0473	6503492	1348259	3-66	2 288	18,050	3.91	705	26	15,745	3.74	589	7-69	40	593	.03	26	37
21-55-0473	6854307	1348259	3-67	1 305	25,980	3.51	912	28	18,140	3.63	659	11-69	36	979	-.01	34	54
21-55-0477	6009673	1283917	9-62	4 305	22,307	3.41	760	13	15,617	3.72	581	2-70	44	1,094	-.11	23	47
21-55-0477	6718667	1348259	8-66	2 305	25,145	3.50	879	19	15,295	3.69	564	11-69	40	1,355	-.02	46	73
21-55-0490	5918891	1239886	9-63	3 305	21,363	3.52	752	8	15,860	3.47	551	3-69	42	795	.03	33	48
21-55-0503	6224802	1448039	12-64	3 305	20,683	3.44	712	12	14,620	3.65	533	8-69	29	874	-.04	26	44
21-55-0503	6638054	1389471	5-65	3 263	19,550	3.44	672	13	13,877	3.55	492	1-70	8 42	869	-.06	23	42
21-55-0506	6577757	1348259	1-66	2 302	18,255	3.51	640	17	15,075	3.44	519	9-69	40	675	.01	26	39
21-55-0525	5111144	1085978	1-60	7 305	18,897	3.42	646	16	16,717	3.44	575	3-69	44	739	-.03	22	37
21-55-0525	5670831	1085978	7-61	7 305	20,216	3.25	658	23	17,630	3.48	613	3-70	44	803	-.07	19	37
21-55-0525	6064510	1239886	2-64	4 305	20,723	4.17	865	24	17,815	3.61	644	2-70	44	544	.13	38	46
21-55-0525	6283837	1348259	3-65	3 305	21,560	3.55	766	25	18,860	3.59	677	2-70	42	697	.00	25	39
21-55-0525	6453005	1389471	9-65	3 301	23,767	3.48	828	31	18,550	3.59	666	12-69	42	871	-.06	23	42
21-55-0526	6738313	1221835	10-66	2 305	21,100	3.11	656	25	16,455	3.48	573	10-69	40	834	-.08	18	37
21-55-0532	5593462	1181068	1-61	3 305	20,890	3.44	719	39	15,503	3.59	556	10-68	42	746	-.03	23	38
21-55-0532	5715051	1085978	11-61	5 305	17,960	3.81	685	27	16,310	3.54	578	12-69	44	665	.02	27	40
21-55-0532	5756590	1245520	9-62	4 305	19,665	3.46	680	18	15,085	3.54	534	6-69	44	830	-.05	23	41
21-55-0551	5601667	1085978	10-61	6 291	18,880	4.00	755	25	16,547	3.62	599	9-69	44	756	.05	34	48
21-55-0551	6797346	1489229	3-67	1 305	26,550	3.46	918	30	17,500	3.62	633	1-70	19	894	-.02	29	47
21-55-0587	4886998	910991	12-57	3 305	22,180	3.56	790	30	16,433	3.33	548	4-69	42	769	.02	31	46
21-55-0587	5662612	1330597	7-62	6 305	20,800	3.37	700	30	16,621	3.38	562	2-70	44	766	-.03	23	39
21-55-0587	5819423	1371885	11-62	4 305	21,378	3.53	755	36	16,363	3.36	549	1-70	36	880	.04	37	54
21-55-0587	6802117	1237055	2-64	4 305	20,823	3.25	676	31	16,185	3.35	542	4-69	44	880	-.07	22	41
21-55-0587	6553901	1451949	11-65	2 305	22,135	3.04	672	27	16,025	3.29	527	5-69	29	982	-.07	25	46
21-55-0721	5587467	1239886	4-62	4 305	20,038	3.22	645	9	14,995	3.42	513	7-69	44	773	-.01	26	42
21-55-0725	6367972	1085978	9-65	1 305	21,600	2.95	637	9	12,870	3.52	453	10-68	36	1,125	-.09	27	52
21-55-0725	6825921	1278644	1-67	2 302	22,030	3.42	754	5	16,940	3.48	589	1-70	40	925	-.06	24	44
21-55-0725	6978332	1348259	9-67	1 305	22,230	3.38	751	6	18,600	3.34	622	12-69	36	668	.01	25	38
21-55-0767	6243490	1425451	7-63	4 291	20,135	3.39	682	38	15,058	3.62	545	2-70	32	857	-.05	24	42
21-55-0767	7117379	1283917	7-66	2 305	24,005	3.27	784	42	15,640	3.55	556	2-70	40	1,128	-.11	24	49
21-56-0043	6254870	1240125	2-65	2 304	23,120	3.16	731	21	18,820	3.29	620	2-69	40	784	-.04	22	39
21-56-0043	6380678	1085978	11-64	2 305	24,165	3.09	747	21	18,745	3.36	630	3-69	40	1,052	-.08	26	49
21-56-0043	6495629	1348259	12-65	3 302	22,870	4.06	928	29	18,553	3.33	618	1-70	42	879	.12	50	64
21-56-0050	5953541	1278644	8-63	3 301	18,390	3.55	653	18	13,980	3.61	504	9-68	42	873	-.06	23	42
21-56-0056	5461320	1085978	10-60	3 305	17,257	3.25	560	9	12,663	3.50	443	9-68	42	951	-.06	26	46
21-56-0060	6531979	1347940	7-65	1 305	22,160	3.92	868	15	15,560	3.62	564	12-69	36	1,074	.03	43	64
21-56-0060	6852030	1348259	8-67	1 305	18,720	3.54	663	13	14,500	3.75	544	10-69	36	682	-.01	23	37
21-56-0071	6482481	1278644	9-65	1 305	18,310	3.34	612	6	12,510	3.45	432	10-69	36	824	-.07	20	38
21-56-0105	6729471	1348259	9-66	1 305	19,480	3.59	700	21	15,640	3.45	539	10-68	36	662	.02	27	40
21-56-0105	7082670	1273756	9-67	1 305	19,230	3.75	721	12	15,390	3.57	549	10-69	36	653	.04	30	42
21-56-0244	6590059	1348259	2-66	2 305	21,475	3.16	678	21	16,145	3.51	566	5-69	40	905	-.05	25	44
21-56-0244	6986789	1290716	12-67	1 305	21,170	3.73	790	12	17,020	3.65	622	4-70	35	512	.11	34	42
21-56-0249	5592027	1199324	1-62	6 301	17,113	3.59	615	19	14,716	3.46	509	10-69	44	767	.00	28	43
21-56-0292	5406992	1124780	10-59	4 305	22,193	3.88	862	15	15,693	3.34	524	9-69	44	905	.09	46	62
21-56-0292	5410074	1124780	10-59	3 305	22,913	3.50	802	28	15,980	3.43	548	11-68	42	903	.01	34	52
21-56-0292	5410075	1124780	11-59	4 305	18,363	3.94	724	16	14,495	3.48	505	9-69	44	565	.07	31	40
21-56-0292	5410076	1124780	11-59	3 300	21,570	3.92	845	26	15,390	3.42	527	11-69	42	810	.08	41	55
21-56-0352	5441711	1085978	6-61	7 294	16,371	3.65	597	10	14,420	3.57	515	8-69	44	680	-.01	23	37
21-56-0352	5630658	1085978	6-62	4 305	18,423	3.41	628	6	14,478	3.57	517	4-69	44	922	-.05	26	46
21-56-0352	5866283	1085978	5-63	4 305	17,775	4.06	721	6	14,678	3.52	517	4-69	44	819	.06	38	53
21-56-0352	6133486	1085978	7-64	3 296	18,300	3.84	702	8	14,270	3.54	505	5-69	42	905	.02	35	53
21-56-0571	6499534	1348259	8-65	3 303	21,650	3.49	756	15	17,693	3.57	631	10-69	42	828	-.01	29	46
21-56-0879	6436378	1237055	11-65	2 305	18,000	4.16	749	13	14,405	3.69	531	9-69	40	746	.03	28	41
21-58-0021	5389944	1248776	6-61	5 305	20,588	3.65	752	15	15,464	3.94	610	2-69	35	872	-.04	25	43
21-58-0205	5415585	1352883	4-61	6 304	22,205	3.45	767	61	17,802	3.54	631	10-68	36	817	-.05	22	39
21-58-0205	6108277	1273756	5-64	3 305	23,923	3.03	724	85	18,030	3.41	615	12-68	42	1,048	-.06	29	51
21-58-0205	6307303	1429917	3-65	2 305	27,235	3.35	913	74	18,320	3.40	623	11-68	31	1,177	-.02	40	64
21-58-0205	6502186	1423404	8-65	2 303	23,250	3.20	743	79	18,415	3.50	645	3-69	30	791	-.06	20	37
21-58-0205	7108151	010229512	12-63	1 305	23,740	3.71	880	77	18,380	3.49	642	10-68	35	555	.09	33	42
21-58-0205	7254335	010275637	5-64	1 305	24,720	2.94	728	92	18,530	3.44	638	4-69	28	781	-.14	14	37
22-10-0034	6117654	1413711	9-63	5 305	18,358	4.00	734	25	15,858	3.80	603	1-70	44	649	.01	25	38
22-10-0034	6382382	1347940	7-65	2 305	19,015	3.67	698	28	14,810	3.82	566	8-69	40	971	-.01	33	53
22-10-0034	6448761	1347940	10-65	2 296	19,955	3.34	667	22	15,745	3.84	605	7-69	40	981	-.06	26	47
22-10-0034	6593766	1347940	3-66	2 301	16,740	3.91	654	26	14,860	3.81	566	6-69	40	736	.01	28	42
22-10-0034	6605822	1347940	5-66	2 305	18,185	3.84	698	26	14,860	3.81	566	6-69	40	883	.01	33	50
22-10-0034	6650999	1347940	8-66	1 305	19,650	3.51	689	22	15,860	3.76	597	10-68	36	866	-.03	27	45
22-10-0034	6732880	1347940	11-66	2 303	20,205	3.39	685	11	15,935	3.80	605	3-70	40	989	-.05	28	49
22-10-0034	6732881	1347940	12-66	1 305	18,260	3.60	658	21	15,710	3.86	607	10-69	36	773	-.0		

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C D	.....C O W MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS		
22-10-0057	6671069	1347940	11-66	1 305	19,290	3.26	629	100	14,140	3.85	544	7-69	36	955	-.06	26	\$ 46
22-10-0057	6699519	1347940	11-66	1 305	18,050	3.32	600	76	14,030	3.83	538	6-69	36	870	-.04	25	.43
22-10-0057	6735863	1347940	2-67	1 305	18,450	3.37	621	100	14,140	3.85	544	7-69	36	892	-.04	26	45
22-10-0057	6884475	1347940	8-67	1 305	20,920	3.60	754	91	14,510	3.87	561	10-69	36	1,052	-.02	35	56
22-10-0057	6884476	1347940	8-67	1 296	17,080	4.23	722	103	14,430	3.85	555	9-69	36	771	.04	33	47
22-10-0062	5948063	1413711	10-63	4 305	21,595	3.72	803	14	16,670	3.79	631	4-69	43	949	-.04	29	49
22-10-0070	6345087	1347940	7-65	3 299	16,673	3.56	594	28	14,820	3.82	566	9-69	42	741	-.03	22	37
22-10-0070	6400030	1347940	7-65	1 305	21,450	3.32	713	31	14,580	3.84	560	10-68	36	1,086	-.05	32	55
22-10-0070	6894140	1347940	5-67	1 275	18,930	3.86	731	30	16,220	3.73	605	11-69	H 36	789	.01	30	45
22-10-0070	6894141	1347940	8-67	1 305	18,850	3.57	673	20	16,880	3.73	629	1-70	36	738	-.02	24	39
22-10-0080	5900736	1413711	9-63	3 305	17,073	3.53	603	16	12,977	3.71	481	12-69	42	775	-.05	21	38
22-10-0080	6967881	1347940	8-67	1 305	15,390	3.74	575	11	12,490	3.62	452	10-69	36	775	.01	29	44
22-10-0109	7068246	1347940	7-67	1 293	19,470	3.48	678	21	15,850	3.52	558	8-69	36	854	-.01	29	46
22-10-0120	5441314	1189870	10-61	4 305	17,758	4.04	717	36	14,485	3.82	554	2-69	44	628	.04	29	40
22-10-0120	5622836	1085978	7-62	6 304	17,415	3.67	640	51	14,678	3.78	555	8-69	44	784	-.03	24	40
22-10-0120	5622837	1085978	7-62	5 305	18,376	3.64	669	30	15,620	3.78	591	5-69	44	799	-.04	23	40
22-10-0120	6368328	1347940	5-65	3 305	20,113	3.78	760	47	15,466	3.81	590	11-69	42	1,070	.00	38	59
22-10-0120	6368329	1347940	6-65	3 303	17,700	3.72	658	48	14,790	3.81	564	9-69	42	862	-.01	29	46
22-10-0120	6411565	1347940	11-65	3 254	18,933	3.74	709	34	15,823	3.63	574	11-69	42	897	.01	34	51
22-10-0120	6492669	1347940	2-66	2 305	19,585	3.43	672	43	15,040	3.86	581	6-69	40	1,008	-.05	29	50
22-10-0120	6509868	1347940	9-65	2 305	19,850	3.50	695	42	15,545	3.82	594	11-68	40	989	-.04	30	51
22-10-0120	6509870	1347940	11-65	2 305	20,380	3.54	722	41	15,950	3.79	604	12-69	40	1,006	-.03	32	53
22-10-0120	6521273	1347940	2-66	2 305	19,980	3.59	717	42	15,020	3.83	575	7-69	40	1,050	-.03	34	55
22-10-0120	6521275	1347940	3-66	2 305	17,905	3.80	680	40	15,120	3.84	580	6-69	40	830	.00	30	46
22-10-0120	6521276	1347940	4-66	2 305	18,155	3.66	664	45	14,940	3.86	576	7-69	40	872	-.02	28	46
22-10-0120	6659002	1347940	6-66	2 305	20,940	3.60	754	39	16,595	3.78	627	2-70	40	1,004	-.02	33	53
22-10-0120	6659003	1347940	6-66	2 305	25,580	3.28	839	44	16,240	3.80	617	1-70	40	1,507	-.07	43	75
22-10-0120	6659004	1347940	7-66	1 305	19,540	3.59	702	42	16,230	3.84	623	4-69	36	833	-.02	27	44
22-10-0120	6659005	1347940	8-66	2 305	18,555	3.59	666	44	16,240	3.80	617	1-70	40	794	-.02	25	41
22-10-0120	6698714	1347940	8-66	2 249	18,005	3.70	667	34	15,465	3.80	588	10-69	40	809	-.01	28	44
22-10-0120	6914727	1347940	9-67	1 305	24,140	3.43	829	47	16,460	3.77	620	12-69	36	1,161	-.04	36	60
22-10-0120	6914728	1347940	9-67	1 305	19,580	3.51	687	41	16,780	3.73	626	2-70	36	800	-.03	25	42
22-10-0127	6496110	1268087	3-66	2 305	21,045	3.69	777	18	15,220	3.84	584	5-69	40	655	.00	24	37
22-10-0127	6893344	1347940	7-67	1 305	18,430	3.55	655	41	15,350	3.66	562	7-69	36	810	-.02	27	43
22-10-0127	6893345	1347940	9-67	1 305	18,520	3.74	693	28	15,540	3.53	548	10-69	36	804	.01	31	47
22-10-0139	6739745	1347940	9-66	1 305	15,280	3.72	569	27	12,170	3.69	449	9-69	36	788	.00	28	44
22-10-0139	6741603	1347940	6-66	2 305	16,935	3.31	561	14	12,955	3.73	483	11-69	40	930	-.05	26	46
22-10-0147	6937091	1347940	3-67	1 305	17,160	3.85	661	32	14,360	3.77	542	9-69	36	781	.01	29	44
22-10-0150	5585531	1189870	3-62	6 305	18,030	4.06	732	22	14,588	3.72	543	2-70	44	666	.06	33	45
22-10-0150	6243532	1436081	11-64	3 305	19,806	3.93	778	25	15,416	3.79	584	7-69	42	555	.06	29	38
22-10-0150	6505569	1347940	12-65	1 305	18,120	3.58	648	35	15,860	3.78	599	1-69	36	752	-.02	24	39
22-10-0150	6601598	1347940	4-66	2 301	19,240	3.44	662	39	14,350	3.71	532	9-69	40	1,036	-.04	32	53
22-10-0150	6601599	1260797	2-66	2 305	18,820	3.72	700	37	14,590	3.70	540	10-69	40	669	.00	24	37
22-10-0155	5850297	1199324	7-63	4 249	18,767	3.48	654	20	16,142	3.59	580	5-69	8 44	.805	-.03	25	42
22-10-0155	7141787	1347940	8-67	1 305	17,530	3.60	631	7	13,740	3.76	516	9-69	36	851	-.02	28	45
22-10-0157	7105585	1347940	8-66	1 305	16,520	3.55	587	24	14,620	3.63	531	7-69	36	716	-.01	24	39
22-10-0157	7160822	1347940	8-66	2 305	19,020	3.86	735	9	15,740	3.61	568	2-70	40	887	.03	36	53
22-10-0165	6089559	1199324	8-62	4 305	16,357	3.77	617	25	13,892	3.69	513	8-69	44	757	.00	28	43
22-10-0165	6534499	1347940	1-66	2 305	20,120	3.46	696	21	13,520	3.76	508	6-69	40	1,201	-.04	38	63
22-10-0165	6786138	1347940	2-67	1 305	17,350	3.46	600	39	13,420	3.96	531	9-69	36	859	-.04	25	43
22-10-0165	6934789	1347940	6-66	2 305	15,955	3.73	595	32	14,000	3.95	553	11-69	40	735	-.02	24	39
22-10-0165	7296492	1347940	5-67	1 305	19,200	3.98	765	39	13,420	3.96	531	9-69	36	996	.01	37	57
22-10-0174	6995645	1469311	12-67	1 305	20,790	3.53	733	13	16,640	3.42	569	2-70	35	556	.05	27	37
22-10-0185	6380700	1347940	7-65	3 305	18,236	3.74	682	17	14,873	3.85	572	1-70	42	915	-.01	31	49
22-10-0185	6679773	1347940	10-66	2 305	17,165	4.06	697	22	14,205	3.84	545	10-69	40	839	.03	35	51
22-10-0185	6845588	1347940	4-67	1 305	17,830	3.51	625	27	13,370	3.72	497	10-69	36	898	-.02	29	47
22-10-0185	6859339	1347940	8-67	1 305	17,160	3.17	544	26	13,050	3.71	484	8-69	36	869	-.05	24	42
22-10-0185	6871698	1347940	3-67	1 305	19,090	3.40	650	11	14,370	3.81	547	5-69	36	925	-.04	28	47
22-10-0185	6925709	1347940	12-67	1 305	19,170	3.32	637	22	14,660	3.61	529	12-69	36	911	-.03	28	47
22-10-0187	6663476	1308101	10-66	1 305	20,670	3.28	678	14	14,040	3.68	517	5-69	36	1,086	-.06	30	53
22-10-0187	6753926	1308101	2-67	1 305	15,820	4.32	684	19	13,810	3.68	508	6-69	36	741	.03	31	45
22-10-0187	7101607	1426616	8-67	1 305	20,280	3.54	718	20	15,690	3.68	578	11-69	27	909	.00	33	51
22-10-0213	6853851	1347940	2-67	1 305	18,920	4.10	776	36	15,590	3.78	589	6-69	36	830	.03	34	50
22-10-0213	7160826	1379208	7-67	1 305	19,880	3.55	706	58	15,790	3.76	594	10-69	35	714	-.02	23	38
22-10-0213	7160828	1347540	7-67	1 305	21,170	3.96	839	41	17,760	3.76	667	2-70	36	852	.02	34	50
22-10-0213	7160831	1347940	10-67	1 305	21,380	3.69	788	44	17,410	3.74	652	12-69	36	891	-.01	31	49
22-10-0213	7160832	1347940	10-67	1 305	19,950	3.66	731	51	16,290	3.78	615	11-69	36	860	-.01	29	46
22-10-0213	7160834	1347940	12-67	1 305	22,240	4.02	895	41	17,760	3.76	667	2-70	36	932	.03	38	56
22-10-0213	7160835	1347940	1-68	1 305	21,150	3.67	777	29	17,690	3.76	665	3-70	36	855	-.01	29	46
22-10-0213	7229379	1347940	6-67	1 305	18,010	3.56	641	51	16,290	3.78	615						

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW 8CRN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS	MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	OOD- LARS	
22-17-0079	5324807	1193506	12-60	6 304	21,247	3.56	757	24	14,933	3.68	549	3-69	44	1,058	.01	40	\$ 61
22-17-0079	6169566	1189870	3-64	4 298	19,215	3.90	749	29	14,955	3.78	565	12-69	44	755	.03	32	46
22-17-0079	6254126	1189870	12-63	4 305	19,270	4.15	799	28	14,970	3.78	566	11-69	44	761	.07	38	51
22-17-0082	5597409	1189870	1-62	6 305	20,362	4.03	820	9	16,003	4.13	661	12-69	44	803	.01	31	47
22-17-0082	5597410	1189870	3-62	5 305	18,594	4.79	891	11	15,420	3.98	613	11-69	44	642	.16	46	55
22-17-0082	5614379	1189870	4-62	3 305	22,727	3.65	830	11	16,257	4.37	711	6-69	42	992	-.07	25	46
22-17-0082	5708246	1189870	9-62	4 297	19,095	4.32	824	15	15,260	4.04	616	6-69	44	707	.07	36	48
22-17-0082	5708247	1189870	10-62	5 305	23,854	3.50	834	8	16,112	3.95	636	3-69	44	1,240	-.06	36	62
22-17-0082	6056760	1189870	2-64	4 305	17,453	5.05	881	12	15,838	4.27	677	11-69	44	440	-.14	36	41
22-17-0082	6056762	1181068	1-64	4 292	20,885	3.82	797	20	15,923	4.10	653	9-69	8 43	740	-.02	24	39
22-17-0109	6104748	1199324	7-64	4 305	21,075	3.09	652	15	17,710	3.44	609	1-70	44	915	-.08	21	41
22-17-0116	6531937	1347940	2-66	2 304	17,400	3.60	626	37	15,095	3.49	527	8-69	40	781	.01	29	44
22-17-0116	6573183	1347940	3-66	2 305	19,700	3.70	729	35	15,110	3.48	526	7-69	40	1,014	.02	40	60
22-17-0118	6973001	1347940	9-67	1 292	16,400	3.79	621	6	13,630	3.34	455	9-69	36	774	.03	32	47
22-17-0149	4619660	1189870	3-58	8 305	20,816	3.68	767	17	16,439	3.78	622	3-70	44	811	.00	29	45
22-17-0149	5694210	1259069	8-62	4 305	21,472	3.71	797	24	16,462	3.75	618	6-69	44	798	-.03	25	41
22-17-0149	5708248	1189870	11-62	5 300	19,332	3.97	767	26	15,226	3.75	571	2-70	44	760	.04	34	48
22-17-0149	6107683	1329588	12-63	4 305	17,688	4.06	718	31	14,713	3.77	554	9-69	44	605	.04	27	38
22-17-0149	6333461	1387171	3-64	4 299	21,242	3.55	754	27	15,102	3.72	562	8-69	37	1,041	-.02	35	56
22-17-0149	6500659	1231982	7-65	2 305	21,875	2.75	602	54	13,855	3.54	491	1-70	40	1,010	-.12	18	41
22-17-0149	6756755	1273756	12-66	1 305	19,740	3.42	675	39	13,950	3.33	465	5-69	36	787	.02	32	47
22-17-0155	5814231	1222994	4-63	4 259	18,325	3.54	648	6	13,925	3.79	528	12-68	8 44	828	-.03	25	42
22-17-0160	6104025	1167632	2-64	4 305	16,993	3.58	608	12	13,603	3.57	485	1-70	43	744	-.02	24	39
22-17-0160	6578108	1417208	11-65	3 302	15,636	3.47	542	13	13,156	3.53	465	1-70	42	671	.00	24	37
22-17-0163	6712153	1347940	5-66	2 274	15,595	3.66	571	27	13,515	3.76	508	8-69	40	743	-.01	25	40
22-17-0163	6914210	1347940	10-67	1 305	16,610	3.93	652	34	13,590	3.91	531	9-69	36	792	.00	29	45
22-17-0163	7058734	1347940	11-67	1 301	18,980	3.93	745	24	14,390	3.91	563	11-69	36	915	.01	34	52
22-17-0181	6636280	1261857	8-66	2 224	17,170	3.86	662	36	14,880	3.63	540	2-70	8 40	684	.09	38	49
22-17-0181	6740257	1347940	8-66	1 272	19,780	3.45	682	25	15,020	3.78	568	10-69	8 36	932	-.03	29	48
22-17-0181	6998520	1347940	9-66	2 232	17,395	3.54	616	30	15,330	3.59	551	2-70	8 40	759	-.01	26	41
22-17-0182	6370375	010259958	9-62	3 305	19,603	3.75	735	6	14,460	3.60	521	8-69	41	593	.03	26	37
22-17-0200	6543657	1347940	3-66	2 305	19,630	3.60	706	20	15,790	3.72	587	10-69	40	944	-.01	32	51
22-17-0200	7220403	1261857	5-67	1 305	20,650	3.85	794	22	16,150	3.83	618	10-69	36	822	.07	40	55
22-17-0201	5177944	1343665	9-60	3 305	19,243	3.73	717	12	15,087	3.61	545	2-69	42	745	.02	30	44
22-17-0201	5433950	1189870	9-61	5 305	17,790	4.61	821	15	15,392	3.75	577	11-69	44	542	.15	41	48
22-17-0201	5809317	1283917	11-62	5 305	20,448	3.43	701	13	15,182	3.79	575	10-69	44	939	-.11	17	38
22-17-0205	6777389	1347940	7-66	2 300	15,680	3.81	598	14	13,275	3.77	500	10-69	40	773	.01	29	44
22-17-0205	6813136	1347940	1-67	1 305	16,220	3.61	586	24	13,040	3.63	474	6-69	36	800	-.01	28	44
22-17-0223	6601309	1347940	1-66	2 305	18,695	3.55	664	7	14,525	3.42	497	3-69	40	965	.01	36	55
22-17-0226	6173662	1320310	6-64	4 290	21,430	3.35	718	7	17,960	3.56	639	2-70	43	1,071	-.08	27	50
22-17-0224	6470462	1347940	9-65	3 240	19,430	3.69	716	11	16,813	3.60	605	12-69	42	852	.01	32	49
22-17-0224	6585580	1347940	4-66	2 281	22,065	3.36	741	5	19,155	3.44	659	11-69	40	884	-.02	29	47
22-17-0224	6608202	1347940	4-66	2 305	17,705	3.56	630	7	16,175	3.64	588	8-69	40	714	-.01	24	38
22-17-0224	6767008	1347940	2-67	1 305	20,980	3.79	796	6	17,150	3.57	612	10-69	36	879	.02	34	51
22-17-0227	6725987	1347940	12-66	2 303	21,090	2.89	609	6	15,670	3.13	491	2-70	40	1,103	-.06	31	54
22-17-0235	5967129	1413711	8-63	5 258	18,402	3.34	615	11	14,060	3.70	520	3-70	8 44	865	-.08	19	38
22-17-0236	6415628	1347940	7-65	3 305	19,003	3.83	727	10	15,546	3.94	612	3-70	42	934	-.01	32	51
22-17-0236	6489674	1347940	12-65	2 305	20,350	3.87	788	12	16,460	3.69	608	9-69	H 40	956	.02	38	56
22-22-0006	6347031	1242221	8-65	3 300	19,037	3.54	674	18	14,987	3.79	568	12-69	41	1,143	-.03	37	60
22-22-0013	6448469	1206797	7-65	3 288	20,347	3.89	791	31	15,760	3.83	604	2-70	8 42	779	.02	31	46
22-22-0013	6772834	1347940	3-67	1 305	18,230	3.50	638	26	16,120	3.71	598	10-69	36	743	-.03	23	38
22-22-0013	6932597	1347940	5-67	1 305	24,650	3.55	874	26	16,120	3.71	598	10-69	36	1,221	-.02	41	66
22-22-0013	6932598	1347940	5-67	1 305	18,490	3.47	641	34	16,350	3.79	619	12-69	36	747	-.03	22	38
22-22-0013	6932599	1347940	7-67	1 290	19,200	3.61	694	26	16,120	3.71	598	10-69	36	815	-.01	28	44
22-22-0013	7050857	1347940	12-67	1 255	18,440	3.67	676	28	16,500	3.84	634	2-70	8 36	733	-.02	24	39
22-22-0015	6789868	1347940	7-66	2 295	18,720	4.06	760	10	17,090	3.77	644	2-70	40	733	.04	32	46
22-22-0015	7000312	1347940	9-67	1 305	17,730	3.91	694	25	15,870	3.82	607	11-69	36	723	.01	27	41
22-22-0019	6460175	1347940	8-65	3 303	17,846	3.69	659	13	14,253	3.72	530	2-70	42	935	.00	33	52
22-22-0019	6460176	1347940	9-65	3 286	16,796	3.59	603	16	14,136	3.74	528	11-69	42	826	-.02	27	44
22-22-0019	6581840	1347940	2-66	2 305	15,355	3.76	577	10	13,195	3.68	486	6-69	40	747	.01	28	43
22-22-0019	6647887	1347940	1-66	3 305	16,956	3.72	631	9	14,383	3.73	536	3-70	42	819	.00	29	45
22-22-0019	6697059	1347940	8-66	1 305	15,710	4.11	645	9	13,750	3.67	505	4-69	36	714	.03	30	43
22-22-0019	6925187	1347940	6-67	1 305	15,740	3.72	585	11	13,510	3.69	499	10-69	36	733	.00	26	41
22-22-0019	6933045	1347940	7-67	1 291	15,800	3.62	572	10	12,980	3.66	475	8-69	36	773	-.01	27	42
22-22-0019	6933046	1347940	8-67	1 305	16,420	3.71	610	10	12,980	3.66	475	8-69	36	819	.00	30	46
22-22-0019	6933047	1347940	9-67	1 305	18,490	3.61	667	11	13,510	3.69	499	10-69	36	938	-.01	32	51
22-22-0049	6439848	1329588	3-65	3 299	20,807	3.67	764	24	14,937	3.72	556	2-69	42	920	-.02	30	49
22-23-0004	6460146	1346469	12-65	2 305	20,120	3.78	761	12	14,425	4.03	582	1-69	30	742	.01	28	42
22-23-0052	6843579	1347940	3-67	1 294	15,730	3.67	578	20	13,570	3.86	524	7-69	36	728	-.02	24	39
22-23-0052	6910432	1347940	7-66	1 305	18,760	3.83	719	36	13,990	3.80	531	9-					

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW 80RN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO.	AVERAGES.. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS
22-25-0005	6614000	1347940	7-66	2 305	19,650	3.67	722	55	15,890	3.79	602	11-69	40		937	-.01	32	\$ 51
22-25-0005	6632427	1347940	2-66	2 288	16,890	3.84	648	52	15,305	3.80	581	7-69	40		710	-.00	26	40
22-25-0005	6717484	1347940	8-66	2 305	18,845	3.74	704	24	16,220	3.81	618	3-70	40		825	-.01	29	45
22-25-0005	6735733	1347940	8-66	2 305	18,035	3.90	704	53	15,680	3.80	596	11-69	40		792	-.02	31	46
22-25-0005	6748041	1447750	10-66	2 296	21,285	3.56	758	56	16,255	3.81	619	11-69	38		873	-.03	27	45
22-25-0005	6753962	1347940	10-66	1 305	17,930	3.60	645	51	15,780	3.80	599	12-68	36		744	-.02	24	39
22-25-0008	6512476	1347940	2-66	2 293	18,560	3.64	675	21	16,050	3.74	601	7-69	40		812	-.02	27	43
22-25-0008	6596368	1347940	8-65	3 305	17,110	3.60	616	20	14,806	3.74	554	9-69	42		793	-.02	25	41
22-25-0008	6726853	1347940	4-66	2 305	19,830	3.58	709	22	15,645	3.76	589	8-69	40		978	-.02	32	52
22-25-0008	6760662	1347940	7-66	2 305	17,525	3.62	635	19	15,725	3.79	596	10-69	40		737	-.02	24	39
22-25-0008	6760664	1347940	1-67	1 305	24,030	3.65	877	21	16,380	3.79	621	7-69	36	1,158	-.01	40	63	
22-25-0019	4744779	1060259	7-58	7 302	17,050	3.72	635	24	14,020	3.72	521	2-69	44		720	-.02	23	38
22-25-0019	6607841	1261857	5-66	3 289	15,673	3.80	595	18	13,403	3.66	491	3-70	42		682	-.08	36	48
22-25-0022	6356747	1259069	4-65	3 305	22,390	3.33	746	40	16,566	3.65	605	10-69	42		851	-.08	19	38
22-25-0022	6513780	1206797	2-66	3 304	22,577	3.78	853	21	18,620	3.58	666	3-70	42		739	-.04	32	46
22-25-0022	6681874	1347940	10-66	2 305	18,680	3.74	699	39	16,340	3.63	593	10-69	40		798	-.01	30	46
22-25-0022	6681875	1347940	10-66	2 305	18,595	3.41	635	39	16,340	3.63	593	10-69	40		789	-.03	24	40
22-25-0022	6681876	1347940	12-66	2 301	20,170	3.20	646	31	17,895	3.58	640	12-69	40		807	-.06	21	38
22-25-0022	6803869	1347940	1-67	1 305	22,180	3.30	732	31	17,550	3.61	633	5-69	36		942	-.04	28	48
22-25-0022	6803870	1347940	4-67	1 305	22,440	3.65	818	36	16,950	3.62	613	6-69	36	1,001	-.00	36	56	
22-25-0022	6803873	1475888	3-67	1 305	23,550	3.26	768	36	16,890	3.61	609	6-69	24		872	-.06	22	41
22-25-0041	5181507	1351411	9-60	7 304	19,571	3.71	727	19	15,863	3.69	586	7-69	36		937	-.02	31	50
22-25-0041	5826296	1413711	1-63	4 301	22,170	3.30	731	23	16,985	3.61	614	8-69	43		985	-.09	22	44
22-25-0041	6566945	1347940	12-65	2 290	19,960	3.40	678	22	15,555	3.74	582	11-69	40		999	-.05	29	50
22-25-0041	6794790	1347940	3-67	1 305	24,120	2.40	579	30	15,320	3.58	548	7-69	36	1,236	-.15	22	50	
22-25-0060	5306057	1189870	6-60	6 303	19,190	3.64	698	23	16,087	3.56	573	8-69	44		642	-.01	25	37
22-25-0060	5898443	1413711	8-63	3 305	23,643	2.92	690	42	15,983	3.60	576	12-68	42	1,225	-.15	21	49	
22-25-0060	5898450	1222994	7-63	3 305	18,057	4.19	756	42	16,197	3.57	579	1-69	42		531	-.09	32	40
22-25-0060	5955842	1214152	10-63	3 305	21,863	3.79	829	42	16,500	3.52	581	11-69	42		653	-.02	27	39
22-25-0060	6457027	1347940	5-65	3 305	21,883	3.32	726	35	16,113	3.57	576	12-69	42	1,206	-.05	36	61	
22-25-0060	6457031	1347940	6-65	3 301	17,560	3.60	633	37	15,833	3.57	565	10-69	42		738	-.00	26	41
22-25-0060	6482025	1347940	8-65	2 305	18,980	3.46	637	22	16,530	3.59	594	4-69	40		751	-.02	24	39
22-25-0060	6988295	1347940	11-67	1 305	23,800	3.38	805	47	16,470	3.39	559	10-69	36	1,135	-.01	39	62	
22-25-0060	6988296	1347940	11-67	1 305	21,300	3.12	664	34	16,960	3.46	587	11-69	36		916	-.05	26	45
22-25-0060	6988298	1471956	12-67	1 285	20,890	3.24	676	24	17,490	3.46	605	1-70	33		799	-.06	20	37
22-25-0060	6988299	1471956	12-67	1 305	22,210	3.18	707	31	17,600	3.44	606	12-69	33		895	-.06	23	42
22-25-0084	6687897	1347940	7-66	2 304	17,710	3.44	610	28	13,745	3.60	495	1-70	40		936	-.03	30	49
22-25-0086	4227654	1041009	1-56	11 297	19,391	3.76	729	28	15,883	3.75	596	10-69	43		858	-.03	27	45
22-25-0086	5222638	1091298	11-60	6 305	19,450	3.79	737	41	16,972	3.79	644	10-69	44		659	-.00	24	37
22-25-0086	5504686	1181029	10-60	4 305	20,443	4.08	835	50	17,518	3.70	649	3-70	44		483	-.08	29	37
22-25-0086	6679919	1347940	12-66	2 305	21,460	3.76	806	36	18,110	3.68	667	3-70	40		918	-.01	35	53
22-25-0086	6679920	1347940	12-66	1 305	19,980	3.64	728	28	18,010	3.63	653	4-69	36		747	-.01	26	41
22-25-0086	6679926	1469311	12-66	2 292	21,850	3.68	805	33	18,285	3.66	669	3-70	40		617	-.04	28	39
22-25-0086	6693337	1347940	8-66	1 305	22,740	3.69	838	49	17,860	3.74	668	11-68	36		963	-.00	34	53
22-25-0086	6778601	1347940	2-67	1 305	21,040	3.62	761	49	18,360	3.68	675	1-69	36		802	-.01	27	43
22-25-0086	6778605	1379208	3-67	1 305	23,060	3.24	747	44	18,000	3.68	663	2-69	35		804	-.05	22	39
22-25-0086	6859736	1347940	7-67	1 305	24,300	3.74	910	41	17,760	3.74	665	11-69	36	1,085	-.00	39	61	
22-25-0086	6951041	1347940	10-67	1 305	21,260	3.63	771	31	18,290	3.70	677	3-70	36		823	-.01	28	45
22-25-0096	6446622	1347940	10-65	3 292	18,743	3.52	660	15	15,526	3.71	576	12-69	42		906	-.03	28	47
22-25-0096	6446623	1347940	11-65	2 305	19,790	3.24	642	12	16,245	3.67	597	5-69	40		919	-.06	24	44
22-25-0096	6712339	1347940	8-66	2 305	21,430	3.39	726	14	15,600	3.75	585	2-70	40		1,144	-.05	34	58
22-25-0098	5181506	934577	8-60	4 305	23,475	3.80	892	23	16,625	3.65	607	12-69	43		928	-.06	42	59
22-25-0098	6007394	1423766	1-64	4 305	21,217	4.00	849	23	16,637	3.74	622	3-70	42		639	-.10	38	48
22-25-0098	6635030	1347940	2-66	2 305	20,955	3.72	779	36	15,700	3.73	586	9-69	40	1,087	-.00	39	61	
22-25-0098	6976981	1347940	8-67	1 305	21,670	3.58	775	26	16,580	3.83	635	11-69	36		969	-.03	31	51
22-25-0098	6997065	1347940	7-67	1 305	20,680	3.45	713	26	16,580	3.83	635	11-69	36		895	-.04	27	46
22-25-0116	6822219	1347940	2-67	1 305	20,130	3.68	740	7	17,690	3.61	638	4-69	36		779	-.00	28	43
22-25-0116	6822220	1347940	4-67	1 305	19,030	3.46	659	8	14,860	3.65	542	11-69	36		887	-.02	29	47
22-25-0120	4291610	1041009	12-55	3 304	21,300	3.73	794	30	15,327	3.79	581	10-69	41	1,099	-.04	34	57	
22-25-0120	6725093	1347940	8-66	2 305	18,380	3.80	698	25	16,065	3.79	609	2-70	40		792	-.00	29	45
22-25-0120	6725094	1347940	9-66	2 303	20,400	3.71	757	33	16,065	3.77	606	12-69	40		997	-.01	35	55
22-25-0120	6766881	1347940	11-66	1 305	21,220	3.69	784	30	16,400	3.81	625	10-69	36		947	-.01	32	51
22-25-0120	6766882	1347940	11-66	2 305	19,455	3.58	697	21	15,965	3.79	605	2-70	40		910	-.03	29	48
22-25-0120	6766883	1347940	11-66	1 305	18,060	3.98	719	29	15,770	3.85	607	9-69	36		754	-.01	29	44
22-25-0120	6766885	1347940	1-67	1 305	22,660	3.61	817	22	15,600	3.76	586	3-69	36	1,108	-.01	38	60	
22-25-0120	6913535	1347940	6-67	1 305	22,300	3.61	804	36	16,520	3.81	629	11-69	36	1,020	-.02	34	55	
22-25-0129	6131702	1407882	7-64	3 279	18,630	3.83	714	51	15,767	3.66	577	12-68	8 33		573	-.06	29	39
22-25-0129	6748453	1347940	9-66	1 161	21,400	3.81	815	28	17,550	3.79	665	3-69	8 36		883	-.00	32	49</

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS
22-26-0007	6605501	1347940	8-66	2 305	20,105	3.71	746	34	13,925	3.88	540	9-69		40	1,163	-.01	40	\$ 63
22-26-0007	6699291	1347940	10-66	1 305	20,790	3.91	812	39	14,670	3.97	582	12-68		36	1,031	.00	37	57
22-26-0007	6749727	1347940	3-67	1 305	17,300	3.76	651	39	15,340	3.80	583	12-69		36	726	-.01	25	40
22-26-0007	6892408	1347940	4-67	1 305	21,210	3.92	831	27	13,690	3.83	525	7-69		36	1,128	.02	43	65
22-26-0007	6900447	1347940	6-67	1 305	18,880	3.66	691	32	15,480	3.89	602	10-69		36	835	-.02	27	44
22-26-0007	6966446	1347940	10-67	1 305	18,540	3.54	657	32	15,480	3.89	602	10-69		36	809	-.03	25	42
22-26-0009	6273828	1298197	10-64	3 305	22,867	3.58	818	17	17,283	3.58	618	11-69		42	958	-.04	28	48
22-26-0009	6793497	1347940	2-67	2 279	20,475	3.44	705	8	18,415	3.51	647	2-70		40	790	-.02	26	42
22-26-0009	6811493	1347940	4-67	1 305	20,350	3.68	749	10	18,490	3.72	687	8-69		36	742	-.01	26	41
22-26-0009	6874918	1347940	9-66	2 279	20,730	3.63	752	9	18,105	3.53	640	3-70	8	40	844	.01	32	48
22-26-0029	5501688	1343665	10-61	4 305	19,355	3.29	636	18	13,665	3.67	501	8-69		43	946	-.05	26	46
22-26-0029	6747461	1347940	5-66	2 305	17,315	3.92	679	25	13,385	3.65	489	10-69		40	929	.03	38	56
22-26-0030	4977371	1091298	8-59	5 302	17,598	4.10	721	8	14,576	3.75	546	12-68		44	699	.05	33	46
22-26-0033	5887566	1167632	12-62	3 305	20,183	3.18	641	12	14,653	3.66	507	1-69		42	986	-.07	25	46
22-26-0036	6530934	1347940	4-66	1 186	17,950	3.64	653	23	15,290	3.82	584	9-68	8	36	778	-.02	25	41
22-26-0067	5338649	1189870	7-60	2 305	31,320	4.05	1267	13	16,100	3.64	586	3-69		40	1,797	.09	79	112
22-26-0067	5598287	1322069	4-61	2 305	23,755	3.84	912	13	16,305	3.63	592	5-69		40	803	.05	36	51
22-26-0067	6820087	1458744	1-67	1 305	20,730	3.44	713	16	14,900	3.75	559	7-69		36	1,000	-.03	31	52
22-26-0068	6056273	1204163	2-64	4 305	23,285	3.60	839	18	17,273	3.68	635	11-69		41	810	-.02	27	43
22-26-0073	6574213	1347940	4-66	1 305	20,100	3.54	711	15	14,890	3.69	549	8-69		36	965	-.02	32	52
22-26-0089	4966647	1193506	12-59	8 302	16,728	3.89	651	12	13,673	3.62	495	4-69		44	616	.07	32	43
22-26-0093	6683897	1347940	8-66	1 305	18,260	3.58	653	27	15,110	3.55	536	11-68		36	813	.00	29	45
22-26-0093	6698249	1347940	3-66	1 305	20,300	3.36	683	27	15,110	3.55	536	11-68		36	965	-.03	31	51
22-26-0093	7015548	1347940	5-67	1 61	17,570	3.07	539	12	14,990	3.26	488	7-69	8	36	770	-.03	23	39
22-26-0113	5845775	1268087	5-63	4 305	19,953	3.76	751	8	13,655	3.79	517	12-68		43	826	.02	33	49
22-26-0113	6414449	1329588	7-65	3 213	17,140	3.77	646	8	13,040	3.73	486	10-69	8	42	695	-.01	24	38
22-26-0118	7101320	1379208	4-68	1 124	18,430	3.34	616	5	13,890	3.67	510	4-70	8	35	734	-.03	22	37
22-26-0121	6611999	1347940	8-65	3 227	15,920	3.72	593	43	14,403	3.71	535	9-69	8	42	697	.00	25	39
22-26-0144	6826378	1347940	3-67	1 305	17,290	3.71	641	9	15,560	3.66	570	9-69		36	711	.00	26	40
22-26-0150	6381438	1346850	8-65	3 301	20,637	3.59	741	26	15,827	3.61	572	7-69		42	740	-.03	23	38
22-29-0001	5118350	1091298	5-59	6 304	18,567	3.94	732	20	15,653	3.64	570	3-69		44	699	.05	32	45
22-29-0021	6392928	1347940	8-65	3 302	16,550	3.47	575	39	13,383	3.59	481	1-70		42	876	-.02	28	46
22-29-0021	6635365	1347940	8-66	2 289	18,050	3.45	622	40	13,925	3.64	507	1-70		40	954	-.02	31	50
22-29-0021	6635366	1347940	10-66	2 305	21,200	3.26	691	23	13,335	3.65	487	4-70		40	1,328	-.06	39	67
22-29-0021	6672259	1347940	10-66	2 218	17,245	3.49	602	29	15,175	3.80	576	10-69		40	758	-.04	22	38
22-29-0021	6937678	1308101	9-67	1 283	19,270	3.38	652	44	14,610	3.79	554	9-69		36	944	-.05	26	46
22-29-0044	6182111	1353009	10-63	4 305	20,770	3.47	721	35	16,910	3.71	628	12-69		37	814	-.06	21	39
22-29-0044	6199392	1446414	7-64	3 305	20,203	3.92	791	29	16,423	3.77	619	3-69		33	590	.05	28	39
22-29-0044	6199394	1446414	8-64	4 305	22,045	3.39	747	35	17,362	3.72	645	2-70		35	770	-.05	20	37
22-29-0044	6302229	1353009	12-64	3 304	22,350	3.71	830	30	17,330	3.70	642	2-70		36	941	-.01	32	51
22-29-0044	6304094	1446414	12-64	3 303	19,426	4.03	783	28	16,283	3.68	600	9-69		33	504	.07	29	37
22-29-0044	7344012	1353009	7-67	1 305	29,090	3.11	905	23	18,940	3.63	687	3-70		28	1,179	-.10	27	53
22-29-0053	6385954	1167632	3-65	3 268	21,327	3.49	744	6	18,043	3.67	662	3-69	8	42	764	-.04	21	37
22-29-0053	655060	1347940	9-66	2 167	18,780	3.98	748	10	17,145	3.66	628	8-69	8	40	734	.04	32	46
22-29-0082	5444313	1189870	8-60	6 298	19,115	3.62	692	26	15,593	3.69	576	10-68		44	689	-.01	24	38
22-29-0082	6906426	1347940	8-66	1 305	18,300	3.45	631	21	16,120	3.85	621	12-68		36	748	-.04	21	37
22-29-0098	6598285	1347940	8-66	1 305	18,820	3.86	727	10	15,260	3.89	594	2-69		36	845	.00	30	47
22-29-0098	6598286	1347940	8-66	2 291	18,755	3.89	729	10	15,540	3.81	592	1-70		40	878	.02	34	51
22-29-0114	6344857	1296729	4-65	3 285	21,077	3.15	663	27	15,003	3.53	529	9-69		42	943	-.12	16	38
22-29-0114	6503091	1347940	10-65	2 214	19,140	3.48	666	22	14,225	3.54	503	1-69	8	40	1,037	-.02	35	56
22-29-0114	6557605	1386406	2-66	2 303	20,785	3.30	686	24	15,360	3.45	530	11-69		40	874	-.02	29	47
22-29-0114	6557606	1386406	3-66	2 305	18,535	3.67	681	11	16,095	3.45	556	6-69		40	579	.04	26	37
22-29-0114	6708657	1347940	9-66	2 279	20,225	3.41	689	24	15,520	3.58	556	8-69		40	1,029	-.03	33	54
22-29-0114	6963183	1347940	9-67	1 294	19,400	2.94	570	30	15,210	3.55	540	11-69		36	891	-.07	22	41
22-29-0114	6963185	1347940	10-67	1 305	20,590	3.22	664	20	15,100	3.45	521	12-69		36	987	-.03	31	51
22-29-0115	6896919	1347940	6-67	1 305	17,220	3.86	664	17	13,940	3.70	516	9-69		36	814	.01	31	47
22-29-0115	7020087	1347940	8-67	1 305	18,030	3.98	717	17	13,940	3.70	516	9-69		36	874	.02	35	52
22-29-0135	6222536	1199077	10-63	4 305	22,308	3.38	755	9	17,520	3.83	671	6-69		39	876	-.06	22	41
22-29-0147	6594802	1347940	12-65	3 301	20,103	3.45	694	30	17,513	3.66	641	11-69		42	857	-.04	25	43
22-29-0167	6545654	1386406	2-66	2 305	17,625	4.14	729	14	13,345	3.65	487	6-69		40	738	.07	37	50
22-29-0167	6816353	1386406	1-67	2 285	16,860	3.99	673	18	13,420	3.88	521	11-69		40	653	.03	28	40
22-29-0169	5889911	1199324	8-63	5 303	17,384	3.74	651	17	13,582	3.55	482	10-69		44	933	.02	36	54
22-29-0177	6712674	1347940	11-66	1 305	18,120	3.26	590	10	16,280	3.43	558	3-69		36	724	-.02	23	38
22-29-0182	6864979	1347940	12-66	1 305	19,490	3.76	732	22	17,320	3.97	688	4-69		36	757	-.02	24	40
22-29-0182	6909921	1347940	10-66	2 305	20,190	3.28	663	35	17,205	3.84	661	2-70		40	872	-.07	21	40
22-29-0182	6909922	1347940	1-67	1 305	19,960	3.42	682	30	16,330	3.89	636	12-69		36	858	-.05	24	42
22-29-0188	6881055	1348259	8-67	1 227	21,750	3.76	817	21	14,960	3.75	561	1-70	H	36	877	.02	34	51
22-29-0188	7037245	1348259	10-67	1 305	19,810	3.72	737	21	14,960	3.75	561	1-70		36	732	.01	28	42

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	PRODUCTION FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS	
22-29-0269	6527825	1347940	1-66	1 305	16,530	3.99	660	49	13,710	3.72	510	9-69	36	778	.02	31	\$ 46
22-29-0269	6677765	1347940	12-66	2 305	17,435	3.66	638	49	14,070	3.78	532	3-70	40	879	-.01	30	48
22-29-0269	6831176	1347940	1-67	1 305	17,450	4.11	718	51	13,340	3.76	502	2-70	36	871	.03	36	52
22-29-0269	6854881	1347940	8-67	1 305	17,180	3.84	659	51	13,340	3.76	502	2-70	36	851	.00	31	48
22-29-0269	6864928	1347940	9-66	1 305	18,520	3.71	688	49	14,670	3.76	552	10-68	36	862	-.01	30	47
22-29-0269	6864930	1347940	9-66	1 305	17,570	3.66	643	49	14,670	3.76	552	10-68	36	791	-.01	27	43
22-29-0269	6864932	1347940	12-66	1 305	17,350	4.22	732	62	13,380	3.72	498	12-69	36	861	.04	37	53
22-29-0269	6864937	1347940	3-67	1 305	20,040	3.79	759	40	13,700	3.77	517	7-69	36	1,040	.00	38	59
22-29-0269	6894616	1347940	4-66	2 305	19,370	3.40	659	43	14,005	3.72	521	8-69	40	1,081	-.04	33	55
22-29-0269	6918189	1347940	10-67	1 305	17,990	3.29	591	51	13,340	3.76	502	2-70	36	912	-.05	26	45
22-29-0269	6978839	1347940	1-66	2 305	16,960	3.96	672	43	14,330	3.75	538	11-69	40	807	.03	33	48
22-29-0269	6978841	1347940	3-66	2 305	19,190	3.83	735	43	14,200	3.75	533	12-69	40	1,045	.02	40	60
22-29-0311	6481484	1330987	8-65	2 305	18,640	3.73	696	17	13,365	3.39	453	1-69	40	853	.07	41	56
22-29-0311	6608777	1330987	3-66	3 300	18,737	3.04	570	15	13,440	3.52	473	4-70	42	916	-.04	27	46
22-29-0314	6570724	1347940	1-66	2 305	21,325	3.55	757	6	15,365	3.49	536	3-69	40	1,155	.00	42	65
22-29-0314	6600453	1347940	4-66	2 305	18,770	3.44	646	5	14,640	3.65	535	7-69	40	962	-.03	30	50
22-29-0314	6958992	1347940	2-67	1 305	18,690	3.30	617	6	15,770	3.34	527	2-70	36	801	-.01	27	43
22-29-0314	6958993	1347940	5-67	1 305	20,820	2.77	576	6	15,830	3.58	567	5-69	36	956	-.09	21	42
22-29-0314	7054062	1347940	11-67	1 305	20,990	3.75	787	5	15,880	3.57	567	11-69	36	965	.01	37	56
22-29-0314	7090477	1347940	9-66	2 305	17,125	3.64	623	5	14,900	3.64	542	8-69	40	771	-.01	27	42
22-29-0324	5375819	1206797	5-61	6 300	18,367	3.84	705	13	15,270	3.69	563	4-70	44	636	.03	27	39
22-29-0325	6842076	1458744	11-66	1 305	18,100	3.43	621	9	12,870	3.84	494	12-69	36	940	-.04	28	48
22-29-0329	6290233	1278644	1-65	1 305	23,150	2.93	678	11	14,720	3.47	511	10-68	36	1,036	-.12	19	43
22-29-0329	6333650	1278644	2-65	3 295	20,070	2.90	583	11	13,450	3.51	472	8-69	42	1,121	-.14	19	45
22-29-0329	6775900	1347940	8-66	2 297	17,450	3.60	628	9	15,570	3.41	531	10-69	40	743	.01	29	43
22-29-0329	7051693	1347940	9-67	1 305	18,230	3.39	618	10	13,900	3.64	506	9-69	36	892	-.03	28	46
22-29-0336	6422249	1167632	8-65	3 302	18,070	3.51	635	7	14,203	3.57	507	12-69	42	787	-.03	24	40
22-29-0339	6866417	1347940	11-66	1 305	15,330	3.76	577	8	12,040	3.60	434	3-69	36	801	.01	30	46
22-29-0347	6792710	1347940	3-67	1 305	20,280	3.04	616	7	15,300	3.45	528	10-69	36	951	-.05	27	47
22-36-0003	5421671	1341058	8-61	6 304	19,725	3.12	615	7	14,472	3.66	529	4-70	35	928	-.12	15	37
22-36-0003	6660351	1347940	4-66	2 297	17,535	3.39	594	15	13,535	3.57	483	6-69	40	938	-.03	30	49
22-36-0003	6660352	1347940	8-66	2 304	17,930	3.49	625	9	14,405	3.58	515	10-69	40	898	-.02	30	48
22-36-0003	6915448	1347940	6-67	1 292	19,010	3.50	665	7	13,440	3.59	483	11-69	36	981	-.02	33	53
22-36-0014	5830640	1167632	12-62	4 305	19,530	3.24	632	49	15,155	3.49	529	8-69	43	886	-.07	22	41
22-36-0014	6431958	1347940	5-65	3 305	17,346	3.65	633	43	14,106	3.53	498	12-69	42	892	.01	33	51
22-36-0014	6542131	1347940	6-64	3 304	19,510	3.35	653	46	14,403	3.50	504	8-69	42	1,110	-.03	35	58
22-36-0014	6649612	1347940	4-65	3 305	16,533	3.39	560	35	13,873	3.51	487	9-69	42	823	-.02	26	43
22-36-0014	6649613	1347940	9-65	2 305	16,585	3.40	564	47	14,355	3.55	510	11-69	40	766	-.02	24	40
22-36-0014	6678121	1347940	6-66	1 305	18,060	3.36	606	50	15,120	3.56	539	12-68	36	797	-.03	25	41
22-36-0014	6678122	1347940	7-66	1 305	16,740	3.61	605	51	13,940	3.53	492	10-69	36	778	.00	28	43
22-36-0014	6819600	1347940	9-66	1 305	20,610	3.78	779	37	15,420	3.57	550	1-69	36	967	.01	37	56
22-36-0014	6819601	1347940	9-66	1 305	19,840	3.30	654	52	13,770	3.54	488	11-69	36	1,021	-.03	32	53
22-36-0014	6819602	1347940	11-66	1 305	17,600	3.98	701	52	13,960	3.55	496	12-69	36	841	.03	35	51
22-36-0014	6819603	1347940	12-66	1 305	18,280	3.50	640	51	13,940	3.53	492	10-69	36	893	-.01	31	49
22-36-0014	6819604	1347940	12-66	1 305	18,980	3.28	622	48	13,900	3.52	489	9-69	36	948	-.03	30	50
22-36-0014	7021176	1347940	3-67	1 305	15,990	3.50	559	51	13,940	3.53	492	10-69	36	722	-.01	25	39
22-36-0014	7021178	1347940	3-67	1 305	18,140	3.34	606	51	13,940	3.53	492	10-69	36	883	-.03	28	46
22-36-0014	7021179	1347940	3-67	1 305	18,420	3.26	600	52	13,770	3.54	488	11-69	36	915	-.03	28	47
22-36-0017	6610384	1458744	8-66	1 305	18,340	3.79	695	20	15,330	3.68	564	6-69	36	793	.00	29	45
22-36-0017	6637533	1347940	7-66	2 283	18,430	3.49	644	16	14,270	3.79	541	10-69	40	961	-.03	30	50
22-36-0017	6758928	1458744	10-66	1 305	21,790	3.65	796	18	14,500	3.66	531	7-69	36	1,106	-.01	39	61
22-36-0017	6758929	1458744	2-67	1 305	18,400	3.45	634	20	15,330	3.68	564	6-69	36	797	-.03	24	41
22-36-0017	6903174	1458744	5-67	1 305	18,860	3.35	631	20	15,330	3.68	564	6-69	36	832	-.04	24	42
22-36-0019	6017784	1189870	10-63	4 305	26,000	3.69	960	24	16,103	3.62	583	2-69	44	1,466	.02	56	85
22-36-0019	6410643	1347940	5-65	3 290	18,896	3.75	709	36	15,930	3.62	576	11-69	42	882	.01	34	51
22-36-0019	6410645	1296729	6-65	3 305	21,960	3.51	770	41	15,910	3.62	576	10-69	42	951	-.08	23	44
22-36-0019	6701913	1347940	6-66	2 284	18,725	3.52	659	30	16,210	3.53	573	1-70	40	814	-.01	28	44
22-36-0019	6712246	1347940	8-66	2 290	18,115	3.64	659	40	15,350	3.59	551	9-69	40	831	.00	30	46
22-36-0019	6712247	1347940	8-66	2 305	18,975	3.40	646	35	15,415	3.57	551	10-69	40	912	-.03	29	48
22-36-0019	6712248	1347940	9-66	1 305	19,750	3.35	662	26	14,200	3.53	501	3-69	36	985	-.02	32	52
22-36-0019	6852369	1458744	7-67	1 305	18,180	3.38	615	32	13,770	3.62	498	7-69	36	886	-.03	27	45
22-36-0019	6918604	1458744	8-67	1 290	15,620	3.50	547	29	13,410	3.60	483	6-69	36	719	-.02	23	38
22-36-0019	7089763	010290443	3-66	2 305	21,165	3.62	767	38	15,915	3.58	570	11-69	25	689	.01	26	39
22-36-0029	4950822	1193506	10-59	7 304	18,826	3.64	686	16	14,104	3.68	519	12-69	44	839	.03	34	50
22-36-0029	6252627	1206797	9-64	3 305	20,527	3.63	746	17	15,110	3.72	562	6-69	42	868	-.01	30	47
22-36-0029	6252628	1206797	11-64	4 301	18,360	3.81	699	19	14,885	3.70	551	1-70	43	662	.01	26	39
22-36-0029	6432340	1347940	7-65	3 305	19,020	3.75	714	15	15,640	3.55	556	8-69	42	926	.02	37	55
22-36-0029	6677009	1347940	10-66	1 305	17,170	3.52	604	29	14,900	3.67	547	11-68	36	746	-.02	24	39
22-36-0029	6709291	1347940	9-66	2 305	19,800	3.51	695	22	15,390	3.66	563	11-69	40	998	-.02	33	53
22-36-0029	6919740	1347940	3-67	1 305	17,840	3.82	682	19	16,170	3.60	582						

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
22-36-0068	6991392	1347940	6-67	1 305	24,600	3.54	872	15 14,550	4.04	588	11-69	36	1,323	-.04	42	\$ 69
22-36-0068	7068074	1347940	6-66	2 305	22,695	3.63	823	16 15,230	3.80	578	1-70	40	1,307	-.02	44	70
22-36-0068	7068075	1347940	5-67	1 305	19,850	3.65	725	11 15,710	3.82	600	7-69	36	891	-.01	30	48
22-36-0068	7091466	1347940	8-67	1 305	21,340	3.75	801	15 14,550	4.04	588	11-69	36	1,080	-.02	36	58
22-36-0074	6630417	1347940	7-66	2 305	19,125	3.55	679	19 16,325	3.69	603	12-69	40	844	-.02	27	44
22-36-0091	6548454	1348259	1-66	2 305	19,905	3.50	696	19 17,005	3.55	603	8-69	40	667	.00	24	37
22-36-0091	6622144	1347940	5-66	2 305	21,050	3.87	814	12 17,135	3.63	622	7-69	40	966	.03	39	57
22-36-0106	5891110	1413711	5-63	3 276	21,837	3.49	763	20 17,547	3.67	644	2-69	8 42	851	-.06	22	40
22-36-0106	6093270	1298197	11-63	3 294	22,090	3.50	773	19 17,137	3.72	637	11-68	42	883	-.07	21	40
22-36-0106	6119955	1413711	5-64	2 254	23,505	3.66	861	20 17,490	3.74	654	3-69	8 40	969	-.04	29	49
22-36-0106	6581359	1414261	5-65	2 218	22,715	3.75	851	16 15,205	3.61	549	5-69	8 40	751	.05	34	48
22-36-0110	5186323	1189870	5-60	6 302	22,528	3.50	788	21 17,213	3.73	642	9-68	44	942	-.03	29	49
22-36-0110	5924271	1413711	9-63	3 305	23,977	3.54	848	31 18,183	3.76	683	4-69	42	1,034	-.06	28	50
22-36-0110	6585582	1347940	5-66	2 222	25,165	3.50	881	27 17,700	3.73	661	11-69	8 40	1,332	-.03	43	70
22-36-0110	6986338	1261857	3-67	1 226	20,590	3.52	725	34 17,470	3.81	665	9-69	8 36	729	.04	32	45
22-36-0148	5900871	1189870	4-63	3 295	18,130	3.52	638	11 14,050	3.59	504	4-69	42	692	-.01	24	38
22-36-0159	5941765	1085978	10-63	2 305	22,855	3.84	877	31 16,160	3.71	599	10-68	40	1,155	.00	42	65
22-36-0159	6652688	1414261	9-66	2 305	23,700	3.60	854	35 15,960	3.68	587	10-69	40	782	.01	30	45
22-36-0163	6300165	1244009	6-63	4 301	18,693	3.47	649	8 15,995	3.60	576	3-69	44	771	-.05	20	37
22-36-0163	6300168	1259069	1-64	4 305	20,752	3.47	721	8 15,840	3.62	574	1-70	44	778	-.05	21	38
22-36-0163	7082357	1377954	3-67	1 285	20,430	3.50	715	16 16,260	3.66	595	7-69	H 36	699	.01	26	40
22-36-0183	6914433	1347940	10-67	1 305	19,570	3.67	719	14 15,340	3.62	555	2-70	36	895	.00	32	50
22-36-0183	6914434	1347940	11-67	1 305	17,330	3.36	583	11 14,860	3.65	543	3-70	36	761	-.03	23	39
22-36-0188	6592937	1347940	7-66	2 305	17,925	3.50	627	12 16,325	3.65	596	2-70	40	722	-.02	23	38
22-36-0193	4643932	1041009	8-58	4 305	20,133	3.13	631	33 15,955	3.66	584	8-69	42	929	-.12	15	37
22-36-0193	5196221	1343665	8-60	8 304	19,658	3.68	723	46 16,489	3.75	619	2-70	44	685	.00	24	38
22-36-0193	5336548	1193506	2-61	6 302	20,560	4.16	855	51 15,912	3.73	594	2-69	44	853	.11	47	61
22-36-0193	5874443	1413711	9-63	3 305	21,057	3.50	736	42 17,123	3.73	639	12-68	42	805	-.06	20	37
22-36-0193	5874444	1413711	9-63	4 299	21,465	3.40	730	47 17,148	3.81	653	1-70	43	879	-.09	18	38
22-36-0193	5901407	1413711	9-63	3 305	26,127	3.16	826	26 16,653	3.82	636	1-69	42	1,445	-.14	31	63
22-36-0193	6139872	1413711	8-64	4 305	21,890	3.75	820	54 16,513	3.77	623	3-70	43	1,003	-.03	32	53
22-36-0193	6286162	1346469	3-65	3 293	22,716	4.19	951	53 17,616	3.75	661	12-69	33	788	.12	46	59
22-36-0193	6396197	1347940	10-65	2 305	21,365	3.44	734	49 17,785	3.82	679	11-69	40	938	-.05	26	46
22-36-0193	6521073	1347940	2-66	2 305	19,455	3.19	621	48 17,085	3.63	620	8-69	40	808	-.06	20	38
22-36-0193	6592930	1347940	4-66	2 305	18,605	3.78	703	46 17,070	3.62	618	7-69	40	723	.02	29	43
22-36-0193	6592931	1347940	5-66	2 305	21,725	4.07	884	53 17,155	3.70	636	9-69	40	1,029	.05	45	64
22-36-0193	6592933	1347940	5-66	2 305	20,800	3.50	728	40 17,960	3.85	691	11-69	40	865	-.05	24	42
22-36-0193	6592936	1347940	7-66	1 290	19,610	3.77	739	35 17,580	3.98	700	1-70	36	748	-.02	24	39
22-36-0193	6610225	1347940	8-66	1 305	21,630	3.47	750	44 16,920	3.62	613	8-69	36	943	-.02	31	50
22-36-0193	6610226	1347940	9-66	1 287	19,970	3.67	733	44 16,920	3.62	613	8-69	36	819	.00	30	46
22-36-0193	6776757	1347940	2-67	1 305	20,900	3.04	635	44 16,920	3.62	613	8-69	36	888	-.07	22	41
22-36-0194	6024480	1400657	8-63	4 301	19,420	3.96	770	14 16,755	3.53	591	12-69	35	403	.12	32	37
22-36-0200	6518584	1488514	3-66	2 305	20,175	3.48	702	35 16,315	3.63	592	1-70	29	794	-.03	24	41
22-36-0200	6672379	1347940	7-66	2 305	20,720	3.71	769	31 16,660	3.63	605	12-69	40	975	.01	36	55
22-36-0200	6716319	1394823	7-65	3 296	20,680	3.67	759	26 16,100	3.63	585	3-70	33	694	.00	25	39
23-01-0029	6086449	1189870	9-63	2 305	22,000	4.44	977	16 16,735	4.05	677	10-68	40	792	.09	42	55
23-01-0029	6569988	1399824	10-65	2 305	19,250	4.31	830	27 16,575	3.83	635	4-69	40	670	.09	37	48
23-01-0029	6569989	1399824	11-65	2 305	20,750	3.63	753	26 16,740	3.89	652	6-69	40	808	-.01	28	44
23-01-0029	6770422	1399824	10-66	2 305	21,605	4.05	875	18 17,480	3.84	671	1-70	40	827	.06	38	53
23-01-0029	6770423	1399824	11-66	1 305	20,830	3.75	782	31 16,530	3.79	627	4-69	36	735	.02	29	43
23-01-0029	6770424	1399824	11-66	2 305	22,670	3.98	902	14 17,365	3.90	678	3-70	40	945	.04	40	58
23-01-0073	5111277	1124780	6-60	3 305	24,537	3.48	855	23 15,600	3.44	537	11-69	42	1,129	.00	41	63
23-01-0073	5910486	1378276	9-63	4 305	19,598	3.73	731	28 15,170	3.49	530	1-70	33	666	.05	31	43
23-01-0073	6411372	1429395	6-65	2 305	21,350	3.19	682	21 14,920	3.59	535	10-68	30	863	-.08	20	39
23-01-0073	6675488	1429395	4-66	2 305	20,920	3.49	731	18 15,275	3.35	511	10-69	30	774	.01	29	44
23-01-0083	6813376	1399824	2-67	2 210	19,720	3.66	721	16 14,905	3.84	573	2-70	8 40	871	.00	31	48
23-01-0083	7072518	1458744	12-67	1 305	19,560	3.07	600	15 15,150	3.81	577	12-69	36	896	-.08	21	41
23-01-0093	5801857	1189870	10-62	6 297	17,965	4.00	719	5 14,612	3.70	541	2-70	44	655	.06	32	44
23-01-0094	5992552	1122127	12-63	4 260	17,853	3.67	656	26 13,648	3.67	501	7-69	44	826	.04	24	41
23-01-0094	6210485	1320310	10-64	3 301	21,200	3.31	702	17 15,427	3.68	568	6-69	42	1,293	-.10	32	60
23-01-0094	6794583	1320310	1-67	1 305	18,500	3.25	602	29 15,390	3.66	564	12-68	35	910	-.08	21	41
23-01-0094	6794908	1347940	3-67	1 305	20,900	3.64	761	19 15,690	3.58	561	2-70	36	971	.00	35	54
23-01-0094	6921540	1458744	9-67	1 305	17,850	3.74	667	17 15,680	3.59	563	2-70	36	733	.00	27	41
23-01-0094	6921542	1458744	12-67	1 305	16,020	3.80	609	29 14,470	3.61	523	11-69	36	678	.00	25	38
23-01-0094	6984074	1458744	12-67	1 305	19,360	3.32	643	24 15,220	3.63	553	12-69	36	876	-.04	26	44
23-01-0106	5972311	1199324	12-63	4 305	19,147	3.60	690	13 14,277	3.83	547	3-70	44	1,059	-.03	33	55
23-01-0106	6191481	1276654	1-65	4 292	20,073	3.50	702	11 14,365	3.96	569	3-70	44	847	-.06	22	40
23-01-0106	6812608	1261857	3-67	1 305	17,830	4.03	719	24 13,130	3.69	484	8-69	36	814	.10	44	58
23-01-0106	6914112	1261857	8-67	1 278	16,500	3.58	591	25 13,440	3.69	496	9-69	36	694	.05	33	45
23-01-0112	5574471	1189870	1-62	4 305	17,993	3.88	699	6 15,015	3.75	563	11-69	44	598	.03	26	37
23-01-0112	5897616	1189870	2-63	6 303	21,427	3.36	721	10 17,080	3.64	621	1-70	44	815	-.04	23	40
23-01-0112	5919115	1189870	11-63	4 303</												

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C REPT	.....C O W MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS
23-02-0001	6697314	1320310	10-66	2 305	15,760	3.80	599	35 13,995	3.57	500	1-70	40	804	-.02	26	\$ 42
23-02-0001	6846746	1320310	3-67	1 305	22,860	3.41	779	46 12,830	3.72	477	8-69	35	1,413	-.07	40	70
23-02-0001	6846747	1320310	1-67	1 305	16,630	3.73	620	46 12,830	3.72	477	8-69	35	943	-.04	28	48
23-02-0001	6846758	1441440	5-67	1 304	15,230	4.52	688	46 12,770	3.69	471	7-69	35	605	-.08	33	43
23-02-0001	6897002	1427615	6-67	1 305	19,580	3.68	720	31 15,070	3.48	525	2-70	35	889	-.06	23	42
23-02-0001	7060027	1427615	9-67	1 305	19,870	3.28	652	38 14,960	3.54	530	11-69	35	919	-.10	18	39
23-02-0008	6290194	1441440	2-65	3 292	18,373	3.65	671	42 15,406	3.64	561	6-69	42	751	.01	29	44
23-02-0008	6756798	1399824	11-66	2 300	18,095	4.11	744	32 15,895	3.75	596	3-70	40	615	.07	32	43
23-02-0008	6850260	1399824	3-67	1 305	17,770	3.99	709	47 14,980	3.68	551	8-69	36	611	.05	29	40
23-02-0008	6850261	1399824	4-67	1 305	17,790	3.93	700	47 14,980	3.68	551	8-69	36	613	.04	28	39
23-02-0008	6937516	1399824	8-67	1 288	19,600	3.57	699	45 16,160	3.77	610	12-69	36	669	.00	24	37
23-02-0011	6230303	1441440	12-64	2 305	17,295	3.52	609	5 13,695	3.79	519	10-68	40	766	-.01	26	41
23-02-0011	6307389	1441440	4-65	2 305	15,935	3.75	597	6 13,680	3.67	502	12-68	40	629	.02	26	38
23-02-0027	6354180	1309574	8-65	3 305	20,853	3.11	648	33 16,140	3.54	572	10-69	42	792	-.04	22	39
23-02-0027	6692241	1261857	11-66	1 305	19,860	3.74	742	39 16,900	3.66	618	1-70	36	713	.07	36	48
23-02-0035	6844650	1399824	7-67	1 305	17,240	4.08	703	6 12,920	3.81	492	3-70	36	710	.04	32	45
23-02-0042	6100339	1300014	11-63	4 305	21,820	2.98	651	17 15,372	3.62	556	11-69	44	1,080	-.17	13	39
23-02-0042	6888351	1427615	8-67	1 305	19,410	3.54	687	20 15,600	3.62	565	9-69	35	840	-.08	18	37
23-02-0046	6811447	1458744	4-67	1 305	17,210	3.27	562	8 13,200	3.82	504	3-70	36	851	-.05	23	41
23-03-0001	5283731	1189870	1-61	6 287	20,333	3.50	712	21 15,015	3.60	541	9-69	44	914	-.01	31	49
23-03-0001	6685486	1441440	7-66	1 305	17,700	4.37	774	12 14,220	3.83	545	4-69	35	693	.07	35	47
23-03-0001	6688043	1347940	9-66	2 305	20,040	3.40	681	18 15,380	3.56	548	3-70	40	1,023	-.03	33	54
23-03-0017	6478217	1330987	10-65	3 305	18,293	3.49	639	24 14,877	3.77	561	1-70	42	716	.00	26	40
23-03-0040	5053078	1316132	11-59	8 297	22,030	3.27	720	15 15,604	3.69	576	3-70	36	1,098	-.07	29	53
23-03-0040	5476257	1316132	8-61	7 301	18,746	3.90	731	19 15,757	3.73	587	2-70	36	586	.05	29	39
23-03-0040	6250814	1417208	1-65	3 305	16,056	4.05	650	29 14,030	3.70	519	6-69	42	629	.06	31	42
23-03-0040	6671924	1458744	7-66	2 305	17,805	3.57	636	33 15,640	3.64	569	1-70	40	762	-.02	25	41
23-03-0040	6743966	1458744	9-66	2 305	20,610	3.56	733	38 15,025	3.68	553	11-69	40	1,103	-.02	37	59
23-03-0040	6743967	1458744	1-67	1 293	21,680	3.51	760	31 15,890	3.67	583	11-69	36	1,004	-.02	33	53
23-03-0040	6946631	1458744	8-67	1 305	19,270	3.82	736	42 15,100	3.68	555	9-69	36	878	.01	33	50
23-03-0053	6341537	1427615	7-65	2 305	21,545	3.32	715	26 14,325	3.76	539	2-70	40	1,247	-.12	26	54
23-04-0009	5936551	1119686	11-63	5 303	20,424	4.00	816	10 16,646	3.92	652	1-70	44	516	.07	29	37
23-04-0009	7036372	1441440	11-67	1 305	19,520	4.16	812	12 17,310	3.96	686	11-69	35	620	.04	28	39
23-04-0009	7066666	1441440	12-67	1 305	21,560	3.62	781	11 17,390	3.95	687	12-69	35	769	-.01	26	42
23-04-0010	6653127	1309574	10-66	2 305	23,600	3.62	855	17 19,005	3.71	706	11-69	40	750	.03	31	45
23-04-0019	6885500	1399824	7-67	1 303	17,040	3.84	655	17 14,050	3.80	534	2-70	36	619	.03	26	38
23-04-0020	6330086	1447246	5-64	4 287	18,672	3.96	739	8 15,925	3.72	592	11-69	8 35	557	.09	33	42
23-04-0020	6330087	1447246	6-64	3 305	17,713	3.95	700	9 14,223	3.75	534	9-68	33	607	.08	33	43
23-04-0020	6569493	1447246	8-65	3 305	21,303	3.96	843	7 16,096	3.85	619	12-69	33	862	.07	42	57
23-04-0020	7228385	1458744	2-67	1 305	19,600	3.60	705	14 16,420	3.89	639	7-69	36	814	-.03	25	42
23-04-0027	7292253	1441440	5-67	1 305	15,670	3.86	605	6 12,850	3.91	502	7-69	35	632	.02	25	37
23-04-0060	6471702	1309574	9-65	2 305	18,430	3.97	731	14 15,760	3.75	591	2-70	40	522	.06	28	37
23-05-0013	6202317	1396768	9-62	4 298	19,608	3.85	754	14 15,840	3.66	580	3-70	43	658	.02	27	39
23-05-0013	6563248	1399824	12-65	1 305	23,130	3.68	851	14 17,770	3.69	655	1-69	36	824	.02	32	48
23-05-0013	6651339	1441440	1-65	3 305	18,313	3.89	713	31 15,520	3.69	572	10-69	42	732	.04	33	46
23-05-0013	6950710	1425137	10-66	2 303	23,705	3.44	815	34 16,370	3.70	606	10-69	40	840	-.05	23	41
23-05-0013	7098847	1499153	5-67	1 301	22,850	3.70	845	38 15,870	3.76	596	10-69	19	682	.00	25	38
23-05-0028	7166088	1441440	9-66	1 305	19,570	3.68	721	25 12,520	3.83	479	9-69	35	949	.01	35	54
23-05-0062	6838670	1347940	3-67	1 305	18,540	3.58	663	10 15,040	3.50	526	8-69	36	839	.00	30	47
23-05-0071	5671586	1108504	6-62	5 305	24,498	3.50	857	20 17,274	3.45	596	3-69	44	1,092	-.01	38	60
23-05-0071	5966888	1189870	9-63	4 303	21,848	4.02	878	21 16,385	3.58	587	2-70	44	922	.09	46	62
23-05-0071	6126760	1320310	6-64	4 299	22,018	3.79	834	27 16,038	3.51	563	1-70	43	1,359	.01	50	77
23-05-0071	6126761	1320310	6-64	3 284	21,083	3.77	795	28 16,313	3.41	556	12-69	42	1,186	.01	44	67
23-05-0071	6199667	1329588	10-64	4 296	24,723	3.36	830	26 16,338	3.51	573	12-69	44	1,293	-.06	38	65
23-05-0082	5657290	1199324	1-62	6 304	22,070	3.45	761	9 15,183	3.91	593	4-69	44	1,352	-.08	37	66
23-05-0130	6570606	1399824	1-66	3 305	19,050	4.15	790	13 15,020	3.99	600	11-69	42	836	.05	38	53
23-05-0131	6933973	1441440	7-67	1 305	18,740	3.51	657	9 15,800	3.61	570	7-69	35	664	.00	24	37
23-05-0143	5837862	1199324	1-63	4 305	22,175	3.49	775	13 16,697	3.76	627	7-69	44	1,164	-.05	35	59
23-05-0143	6397511	1337741	9-65	3 305	22,343	3.58	800	27 17,153	3.90	669	10-69	42	947	-.03	29	49
23-05-0143	6767818	1320310	10-66	2 299	23,375	3.49	815	17 19,085	3.94	752	2-70	40	1,113	-.10	25	50
23-05-0143	6767819	1399824	10-66	2 305	23,015	3.68	847	21 17,205	3.91	672	12-69	40	995	-.01	35	55
23-05-0143	6937828	1320310	7-67	1 305	22,580	3.43	775	22 17,560	3.84	674	7-69	35	1,071	-.08	26	49
23-05-0143	7048553	1320310	10-67	1 305	23,540	3.25	764	24 18,370	3.84	705	9-69	35	1,088	-.11	23	47
23-05-0143	7048796	1320310	10-67	1 305	22,980	3.56	818	24 18,370	3.84	705	9-69	35	1,046	-.07	27	50
23-05-0145	6506892	1320310	8-65	3 299	17,380	3.83	665	27 14,750	3.85	568	8-69	42	919	-.03	28	47
23-05-0145	7319400	1427615	8-67	1 305	21,300	3.40	724	25 15,370	3.76	578	5-69	35	999	-.11	20	43
23-05-0151	7059076	1337741	9-67	1 305	19,800	3.61	714	45 15,350	3.74	574	10-69	35	683	.00	24	38
23-05-0165	6656719	1399824	2-66	3 293	18,623	3.71	690	11 14,010	3.59	503	2-70	42	891	.03	37	54
23-05-0165	6730685	1458744	9-66	2 305	16,420	3.44	565	17 14,125	3.57	504	10-69	40	760	-.02	24	40
23-05-0165	6749906	1458744	9-66	1 305	17,840	3.48	621	13 14,340	3.44	494	5-69	36	822	-.01	28	45
23-05-0165	6797476	1458744	10-66	1 300	17,950	3.31	594	17 14,470	3.43	496	6-69	36	821	-.02	26	43
23-05-0165	6797477	1458744	10-66	1 305</												

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	I N D E X..... MILK (L8)	FAT (%)	FAT (L8)	..OOL- LARS
23-05-0244	6184072	1399283	7-64	3 304	21,753	3.52	766	43 17,320	3.53 611	6-69	35	852	-.02	28	\$ 45
23-05-0244	6184074	1399283	8-64	3 305	22,973	3.04	699	39 16,996	3.54 601	8-69	35	1,049	-.12	20	44
23-05-0244	6418162	1399283	8-65	2 305	23,050	3.23	744	38 18,330	3.43 629	2-69	32	835	-.06	21	39
23-05-0244	6418164	1399283	9-65	2 298	24,760	3.35	830	33 17,175	3.48 598	5-69	32	1,151	-.05	34	58
23-05-0244	6857846	1399283	10-66	2 305	22,710	3.49	793	34 19,435	3.28 638	3-70	32	681	.01	26	39
23-05-0244	6857847	1399283	10-66	1 305	24,090	3.40	819	32 18,770	3.35 628	1-69	27	754	-.02	24	39
23-05-0244	6857853	1399283	3-67	1 305	22,530	3.29	742	37 17,010	3.45 587	5-69	27	756	-.04	21	37
23-05-0244	6979475	1399283	8-67	1 305	24,200	3.20	775	48 18,050	3.31 598	10-69	27	819	-.04	23	40
23-05-0250	6341741	1441440	4-65	2 305	16,750	3.37	564	17 13,300	3.72 495	7-69	40	747	-.03	23	38
23-05-0250	6558232	1399824	2-66	1 305	18,400	3.65	671	16 12,610	3.60 454	9-68	36	817	.02	33	49
23-05-0250	6558233	1399824	2-66	2 299	17,115	3.93	673	18 15,040	3.64 548	2-70	40	594	.05	29	39
23-05-0250	6558234	1399824	2-66	2 305	16,130	3.87	625	17 13,335	3.69 492	7-69	40	650	.04	29	41
23-05-0250	7032539	1458744	1-68	1 305	18,810	3.48	655	16 15,160	3.75 568	3-70	36	839	-.03	26	43
23-06-0002	5531161	1228022	7-60	7 303	19,927	3.45	687	38 14,297	3.63 519	2-69	44	1,287	-.08	34	62
23-06-0002	6535346	1347940	1-65	2 305	17,875	3.78	675	28 16,325	3.45 564	3-69	40	717	.04	31	44
23-06-0002	6556265	1360676	4-66	1 305	20,290	3.64	738	34 15,570	3.42 532	5-69	34	846	.02	34	50
23-06-0006	6782067	1347940	10-66	1 305	20,170	3.60	727	11 15,390	3.66 564	7-69	36	937	-.01	32	51
23-06-0006	6782069	1347940	2-67	1 305	19,900	3.98	792	12 15,160	3.79 575	8-69	36	932	.02	36	54
23-06-0006	6811292	1347940	1-67	1 305	18,860	3.69	696	14 15,230	3.78 575	10-69	36	850	-.01	29	46
23-06-0007	6567285	1206797	4-66	2 305	19,055	3.52	671	8 14,340	3.68 528	8-69	40	716	-.02	23	38
23-06-0020	7295290	1347940	5-67	1 305	17,890	2.86	511	6 13,190	3.71 490	8-69	36	914	-.08	21	41
23-06-0021	5973939	1411026	10-63	5 304	22,628	3.20	723	7 14,354	3.82 548	12-69	44	1,064	-.08	26	49
23-06-0021	6379836	1347940	9-65	3 305	17,783	3.77	671	8 15,163	3.59 545	10-69	42	833	.02	33	49
23-06-0021	6711664	1347940	1-67	1 298	16,420	3.73	612	7 13,500	3.98 537	5-69	36	784	-.02	26	42
23-06-0021	6952487	1347940	4-67	1 305	16,370	3.40	556	7 13,500	3.98 537	5-69	36	780	-.05	21	38
23-06-0022	6811268	1347940	5-66	1 305	22,030	3.36	741	10 16,040	3.67 589	1-69	36	1,032	-.03	32	53
23-06-0022	7190879	1471956	11-67	1 305	20,770	3.27	679	10 14,100	3.72 524	9-69	33	1,030	-.07	26	48
23-06-0036	5260497	1189870	12-60	6 305	17,840	4.03	719	16 14,288	3.60 515	4-69	44	676	.07	35	47
23-06-0036	6565494	1320310	12-65	3 300	16,727	3.66	612	33 15,147	3.65 553	12-69	42	801	-.04	23	40
23-06-0037	6263281	1347940	3-65	3 285	17,846	3.65	651	23 15,100	3.79 572	6-69	42	847	-.02	28	45
23-06-0037	6447624	1347940	10-65	2 305	24,090	3.49	840	21 17,260	3.71 640	3-69	40	1,263	-.04	30	66
23-06-0037	6447626	1347940	11-65	3 304	22,060	4.08	901	18 17,620	3.71 653	2-70	42	1,071	.06	48	68
23-06-0037	6509560	1347940	2-66	2 305	18,390	3.16	582	23 15,100	3.78 571	6-69	40	881	-.07	21	40
23-06-0037	6678547	1347940	11-66	1 305	23,130	4.12	952	17 17,940	3.72 668	10-69	36	986	.04	42	60
23-06-0037	6937706	1347940	10-67	1 305	20,230	3.45	697	20 17,740	3.67 651	11-69	36	784	-.03	24	40
23-06-0037	7049268	1347940	2-68	1 305	18,860	3.67	693	18 16,650	3.71 618	2-70	36	755	-.01	26	41
23-06-0040	5476706	1189870	10-61	4 300	18,388	4.09	752	29 15,630	3.66 572	9-69	44	578	.08	32	42
23-06-0040	5589801	1189870	1-62	3 305	19,310	4.76	919	18 15,540	3.62 562	4-69	42	674	.18	50	59
23-06-0040	6310927	1436081	12-64	3 305	19,776	3.71	734	21 15,013	3.76 565	9-69	42	593	.03	26	37
23-06-0040	6390535	1347940	8-65	2 305	22,560	3.67	827	29 15,475	3.63 561	12-68	40	1,270	.00	46	71
23-06-0040	6500489	1347940	2-66	2 305	17,715	3.55	628	32 15,345	3.74 574	11-69	40	791	-.02	25	41
23-06-0040	6525621	1347940	3-66	2 305	19,420	3.32	645	32 15,345	3.74 574	11-69	40	964	-.05	27	47
23-06-0040	6752789	1399824	3-67	1 305	18,930	3.40	644	21 15,170	3.74 567	7-69	36	685	-.01	23	37
23-06-0047	6524787	1347940	12-65	3 301	16,863	3.63	612	6 14,970	3.87 579	11-69	42	747	-.03	22	38
23-06-0054	6574074	1347940	3-66	2 305	16,365	3.82	625	86 11,735	3.78 443	10-69	40	983	.01	37	56
23-06-0054	6817906	1399824	4-67	1 305	16,860	3.49	588	50 13,300	3.65 485	4-69	36	656	.00	24	37
23-06-0054	6840350	1347940	7-67	1 305	15,670	3.85	603	100 11,960	3.75 449	9-69	36	831	.01	31	47
23-06-0054	7084349	1347940	11-66	1 305	18,600	3.29	612	105 12,080	3.73 450	7-69	36	1,042	-.04	31	53
23-06-0059	6046957	1189870	9-63	4 305	18,640	3.96	738	25 15,140	3.62 548	8-69	44	664	.06	33	45
23-06-0059	6641656	1347940	10-65	1 305	18,240	3.64	664	30 14,310	3.85 551	9-68	36	865	-.01	29	47
23-06-0059	6776789	1347940	6-66	2 305	19,775	4.12	815	25 14,825	3.88 575	1-70	40	1,047	.04	44	64
23-06-0059	6961411	1347940	8-66	1 305	19,400	3.58	694	28 14,390	3.86 555	9-68	36	946	-.03	30	49
23-06-0059	6961413	1347940	10-66	2 305	18,710	3.56	666	17 15,595	3.86 602	2-70	40	869	-.04	26	44
23-06-0059	7030253	1347940	8-67	1 305	17,040	4.05	690	22 15,260	3.91 596	1-70	36	712	.01	27	41
23-06-0059	7056327	1347940	9-67	1 305	17,380	4.09	711	19 15,640	3.83 599	2-70	36	712	.02	29	43
23-06-0066	6554123	1347940	8-65	3 305	15,160	4.41	669	15 11,700	3.99 467	9-69	42	890	.06	41	57
23-06-0069	6706708	1347940	2-66	3 305	17,706	3.69	653	11 15,906	3.76 598	3-70	42	747	-.01	25	40
23-06-0069	6863364	1347940	5-67	1 305	16,090	4.06	653	8 14,510	3.85 558	9-69	36	692	.01	27	40
23-06-0069	6901076	1347940	7-66	2 305	16,715	3.67	613	10 14,440	3.88 560	9-69	40	772	-.02	25	41
23-06-0074	6385144	1347940	8-65	2 305	17,095	3.23	553	21 14,315	3.73 534	11-68	40	822	-.06	21	39
23-06-0074	6537384	1347940	2-66	3 301	20,513	3.74	767	11 16,466	3.60 592	3-70	42	1,012	.02	39	59
23-06-0074	6587574	1206797	3-66	2 297	19,735	3.72	734	15 15,565	3.63 565	5-69	40	673	.01	26	39
23-06-0074	6606971	1347940	7-66	2 305	27,150	3.27	889	23 16,330	3.48 568	12-69	40	1,658	-.05	52	86
23-06-0074	6754280	1347940	12-66	2 305	22,235	2.75	611	22 16,245	3.49 567	12-69	40	1,167	-.12	24	50
23-06-0074	6929589	1347940	8-67	1 305	25,690	2.73	702	21 17,420	3.31 577	11-69	36	1,212	-.09	30	56
23-06-0074	6958858	1347940	8-67	1 305	20,250	3.29	667	21 16,250	3.34 542	9-69	36	885	-.02	29	47
23-06-0080	6331322	1320310	7-65	2 305	15,995	4.06	649	25 14,425	3.76 543	5-69	40	788	-.01	27	43
23-06-0080	6343987	1320310	8-65	2 305	17,165	3.89	668	29 14,195	3.79 538	6-69	40	929	-.02	30	49
23-06-0080	6402370	1320310	11-65	2 305	17,595	3.44	605	24 14,240	3.80 541	4-69	40	969	-.08	23	44
23-06-0080	6445099	1320310	1-66	2 305	15,490	3.94	610	43 13,095	3.74 490	11-69	40	859	-.02	28	46
23-06-0080	6529102	1347940	2-66	2 305	19,695	3.46	682	43 13,330	3.74 498	11-69	40	1,176	-.04	37	61
23-06-0080	6686800	1320310	9-66	2 305	15,565	3.67	572	35 13,270	3.71 492	1-70	40	851	-.05	24	42
23-06-0080	6847177	1320310	6-67	1 305	17,320	3.53	611	43 12,970	3.82 495	11-69	35	985	-.06	26	47
23-06-0093</															

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	FAT (%)	FAT (L8)	..... OOL- LARS		
23-06-0118	6819125	1406271	11-66	2 292	24,795	3.47	860	30	17,075	3.80	649	1-70	40	1,247	-.01	43	\$ 68
23-06-0118	6900833	1458744	6-67	1 305	18,920	4.14	783	34	16,270	3.86	628	9-69	36	773	.02	31	46
23-06-0118	7059473	1458744	8-67	1 305	20,240	3.58	725	32	17,100	3.73	638	1-70	36	816	-.02	26	43
23-06-0118	7059478	1406271	12-67	1 305	19,110	3.45	659	22	16,090	3.79	610	3-70	36	700	.01	26	40
23-06-0121	5147126	1189870	8-60	6 305	17,858	3.98	710	11	14,812	3.83	568	10-69	44	618	.03	27	38
23-06-0121	7009916	1347940	11-67	1 305	18,490	4.02	744	13	15,970	3.79	606	12-69	36	773	.02	31	46
23-06-0126	6015441	1395199	11-63	1 305	20,170	4.00	807	36	13,590	3.75	510	1-70	24	633	.03	27	39
23-06-0131	6717154	1347940	7-66	2 305	21,825	3.42	747	19	16,110	3.66	590	11-69	40	1,138	-.03	36	59
23-06-0135	5480440	1189870	8-61	5 305	18,626	3.87	720	14	14,652	3.63	532	6-69	44	736	.04	33	46
23-06-0135	5832726	1189870	1-63	5 298	16,934	4.07	689	15	13,998	3.65	511	9-69	44	593	.07	31	41
23-06-0135	5993607	1189870	6-63	3 295	20,803	3.62	754	16	15,797	3.53	558	1-69	42	819	.02	32	48
23-06-0143	6632646	1347940	7-66	2 305	18,060	3.08	556	19	13,640	3.60	491	8-69	40	981	-.07	25	46
23-06-0145	6316803	1320310	12-64	3 305	16,270	3.47	565	52	13,153	3.59	472	12-69	42	957	-.06	26	46
23-06-0147	6660292	1347940	10-66	1 305	20,940	3.47	726	9	13,600	3.61	491	5-69	36	1,114	-.02	37	60
23-06-0151	6840150	1320310	8-65	3 304	18,530	3.48	644	12	13,627	3.97	541	9-69	42	1,170	-.09	28	54
23-06-0151	7039821	1320310	11-66	2 305	17,625	3.55	626	15	13,820	3.99	551	11-69	40	1,010	-.08	24	46
23-06-0152	6383167	1347940	10-65	2 302	20,440	3.30	675	14	16,050	3.66	588	1-69	40	1,003	-.05	28	49
23-06-0152	6567921	1347940	4-66	1 305	17,250	3.79	654	14	15,690	3.68	577	9-68	36	699	.01	26	40
23-06-0153	6202583	1447312	10-64	4 305	22,975	3.26	748	16	16,708	3.73	623	4-70	30	995	-.10	21	43
23-06-0153	6456193	1347940	11-65	2 305	23,200	3.57	828	20	16,085	3.80	611	12-68	40	1,280	-.03	42	68
23-06-0153	6726991	1347940	7-66	2 305	18,455	3.89	718	17	16,675	3.68	614	11-69	40	744	.02	30	44
23-06-0153	6868983	1347940	12-66	1 305	17,650	3.97	701	8	16,060	3.70	594	6-69	36	704	.02	28	42
23-06-0153	7004781	1347940	9-66	2 281	17,850	3.43	612	15	15,870	3.74	593	8-69	40	756	-.04	22	38
23-06-0153	7004786	1347940	10-67	1 305	19,850	3.73	740	14	17,530	3.63	636	1-70	36	769	.01	29	44
23-06-0155	6470304	1347940	9-65	3 289	18,160	3.68	669	15	15,206	3.99	606	1-70	42	872	-.04	26	44
23-06-0155	6753679	1347940	12-66	1 305	16,670	4.01	669	16	15,160	4.06	616	12-69	36	691	.00	25	39
23-06-0155	6985217	1347940	10-67	1 305	17,380	4.06	705	16	15,160	4.06	616	12-69	36	744	.00	27	42
23-06-0161	6372177	1320310	9-65	3 304	19,477	3.61	703	8	15,307	3.81	583	12-69	42	1,105	-.06	31	54
23-06-0180	5184634	1189870	9-60	5 305	19,318	3.74	722	15	13,188	3.78	498	4-69	44	995	.01	37	57
23-06-0180	5859551	1399824	5-63	5 305	18,496	3.90	722	22	13,638	3.87	528	12-69	44	969	.03	40	58
23-06-0180	6936127	1347940	4-67	1 305	18,660	3.75	700	15	13,340	3.82	509	6-69	36	962	.00	34	53
23-06-0180	6936128	1347940	9-67	1 305	16,380	3.93	644	21	14,770	3.88	573	11-69	36	696	.01	26	40
23-06-0180	6936132	1320310	7-67	1 305	17,980	3.39	610	19	14,840	3.94	584	11-69	35	908	-.09	20	40
23-06-0184	6184232	1320310	10-64	4 305	18,438	3.92	723	24	14,758	3.94	581	11-69	43	1,057	-.03	34	56
23-06-0184	6803761	1320310	9-65	1 305	16,870	3.52	593	20	14,800	3.83	567	12-69	35	827	-.07	20	38
23-06-0184	6977863	1320310	1-68	1 305	17,920	3.54	635	15	14,940	3.85	575	2-70	35	897	-.07	22	42
23-06-0185	6382663	1441440	8-65	3 305	18,850	3.58	675	17	16,290	3.79	618	9-69	42	714	-.01	24	38
23-06-0185	6655435	1087974	8-58	3 305	22,177	3.72	825	13	15,570	3.83	596	8-69	42	1,127	.00	40	62
23-06-0187	6613030	1441440	1-66	2 305	19,085	3.42	653	16	15,360	3.55	546	9-69	40	796	.00	28	44
23-06-0189	6795641	1347940	10-66	2 295	19,690	3.58	705	19	16,955	3.82	648	10-69	40	844	-.03	26	43
23-06-0193	6454281	1347940	9-65	3 302	17,173	3.83	658	17	14,676	3.85	565	11-69	42	813	.00	29	45
23-06-0193	6496942	1347940	2-66	3 298	20,206	3.70	747	13	15,816	3.70	585	2-70	42	1,044	.00	37	58
23-06-0193	6656325	1347940	8-66	2 305	16,865	3.63	613	16	14,320	3.82	547	11-69	40	798	-.02	26	42
23-06-0193	6718788	1347940	12-66	1 305	19,550	3.47	678	20	14,120	3.75	530	11-68	36	976	-.03	31	51
23-06-0193	6763843	1347940	3-67	2 305	19,420	3.73	725	12	15,445	3.73	576	1-70	40	954	.00	35	54
23-06-0201	6762233	1406271	1-67	1 305	17,780	4.02	715	11	14,390	3.69	531	2-69	36	715	.06	35	48
23-06-0227	6357873	1329588	8-65	2 305	19,735	3.59	708	25	14,510	3.65	530	9-68	40	778	-.03	24	40
23-06-0227	6526344	1464746	1-66	2 301	18,705	3.42	639	20	13,850	3.61	500	6-69	32	803	-.03	25	42
23-06-0227	6584644	1360676	2-66	2 305	19,575	4.19	821	17	14,385	4.15	597	10-69	38	987	.04	41	60
23-06-0227	7012731	1347940	7-67	1 305	15,470	3.85	595	28	13,410	3.89	521	8-69	36	719	-.01	25	39
23-06-0231	6863329	1347940	4-67	1 305	16,510	3.86	638	18	13,660	3.52	481	9-69	36	780	.02	31	46
23-06-0239	5806591	1163043	1-63	5 305	18,590	3.82	711	27	14,888	3.69	549	1-70	44	467	.11	33	40
23-06-0239	6457742	1320310	9-65	3 303	17,657	3.42	603	27	14,230	3.67	522	7-69	42	1,005	-.08	25	47
23-06-0239	6495721	1347940	10-65	3 305	20,373	3.22	655	25	15,720	3.59	565	2-70	42	1,073	-.06	29	52
23-06-0239	6583818	1347940	6-66	2 302	16,375	3.25	532	18	14,305	3.60	515	7-69	40	750	-.04	21	37
23-06-0239	6749822	1347940	8-66	2 292	17,050	3.50	597	29	15,375	3.62	557	11-69	40	720	-.02	23	38
23-06-0239	6858839	1347940	3-67	1 305	17,830	3.45	615	31	13,140	3.70	486	8-69	36	913	-.03	29	48
23-06-0239	6858840	1347940	4-67	1 305	16,150	3.28	529	24	12,970	3.72	483	7-69	36	799	-.04	23	40
23-06-0239	6858841	1347940	4-67	1 305	19,440	3.38	658	39	13,750	3.70	509	10-69	36	992	-.03	31	51
23-06-0246	4897082	1082897	6-58	2 305	21,550	3.87	834	28	16,470	3.83	630	10-68	40	532	.08	31	40
23-06-0246	6159359	1347940	7-64	4 305	24,085	4.16	1003	16	16,390	3.80	623	12-69	44	1,486	.08	66	93
23-06-0246	6222902	1347940	11-64	3 303	17,893	3.67	657	22	16,163	3.74	604	10-69	42	742	-.01	25	40
23-06-0246	6253857	1347940	10-64	3 305	19,450	3.83	745	13	16,223	3.89	631	7-69	42	915	-.01	32	50
23-06-0246	6309610	1347940	3-65	3 305	23,180	3.63	842	21	16,316	3.76	613	11-69	42	1,334	-.02	45	72
23-06-0246	6436695	1347940	12-65	2 305	19,010	3.82	726	15	16,385	3.79	621	5-69	40	827	.01	31	47
23-06-0246	6853513	1347940	6-66	1 305	19,330	3.93	759	16	17,820	3.75	669	11-69	36	711	.02	28	42
23-06-0246	6853515	1347940	7-66	2 305	19,025	3.81	725	18	16,760	3.77	632	11-69	40	794	.01	30	46
23-06-0246	6853516	1347940	9-66	2 305	20,585	3.44	709	13	17,590	3.85	678	3-70	40	877	-.05	24	43
23-06-0246	6853520	1347940	7-67	1 305	19,760	3.76	743	16	17,820	3.75	669	11-69	36	743	.00	27	42
23-06-0246	6853522	1347940	7-67	1 305	25,080	2.84	712	16	17,820	3.75							

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS	
23-06-0265	6414252	1347940	12-65	1 305	18,120	3.67	665	8 14,700	3.63	3-69	36	830	.00	30	\$ 46
23-06-0265	6795398	1347940	12-66	1 305	16,810	3.31	557	20 13,930	3.61	11-68	36	784	-.03	24	40
23-06-0265	6864907	1347940	7-67	1 305	15,030	3.67	551	16 13,320	3.67	7-69	36	693	-.01	24	38
23-06-0271	5784385	1399824	1-63	4 305	16,185	3.65	590	20 13,480	3.67	9-69	44	680	.01	26	39
23-06-0271	6391101	1347940	7-65	2 305	18,455	3.74	690	27 13,700	3.66	2-69	40	1,016	.01	38	58
23-06-0271	6719123	1347940	1-67	1 305	17,170	3.22	553	23 14,500	3.48	5-69	36	773	-.03	23	39
23-06-0276	6085671	1399824	5-64	4 305	15,915	4.04	643	16 14,030	3.77	6-69	44	585	.05	29	39
23-06-0276	6404237	1330987	7-65	3 298	19,270	3.94	759	21 15,210	3.84	10-69	42	794	.06	37	51
23-06-0276	6617091	1347940	8-66	1 305	21,320	3.81	813	17 16,810	3.91	2-69	36	927	.00	33	51
23-06-0284	6613942	1347940	6-66	1 305	16,690	4.15	693	11 14,380	3.64	3-70	36	745	.04	33	47
23-06-0289	7193412	1347940	10-67	1 305	17,930	4.09	733	5 14,410	3.63	1-70	36	835	.04	36	52
23-06-0307	6602140	1296729	12-64	3 305	20,340	3.26	664	23 13,970	3.69	9-69	42	965	-.12	17	39
23-06-0307	6640942	1347940	8-66	2 305	18,725	3.59	673	22 14,730	3.67	12-69	40	949	-.01	33	52
23-06-0307	6718784	1347940	12-66	1 305	20,530	3.84	788	12 15,210	3.86	2-70	36	976	.00	35	54
23-06-0307	6915073	1347940	10-67	1 305	17,260	3.98	687	7 14,400	3.97	3-70	36	786	.00	29	44
23-06-0309	5131112	1323268	2-60	7 305	20,310	3.65	741	18 14,754	3.88	11-69	36	1,022	-.03	32	53
23-06-0309	5858156	1189870	10-61	6 290	19,567	3.54	692	17 15,478	3.90	1-69	44	761	-.04	21	37
23-06-0309	7090269	1522595	10-67	1 305	20,890	3.70	772	44 13,890	3.67	9-69	19	665	.01	25	38
23-06-0314	6773700	1458744	1-67	1 305	16,550	3.77	624	12 13,720	3.78	5-69	36	767	.00	27	42
23-06-0323	6026649	1330987	3-63	3 302	16,147	4.23	683	10 13,767	3.81	9-69	42	584	.10	35	44
23-06-0323	6849834	1330987	8-67	1 294	17,320	3.49	604	9 13,070	3.76	9-69	36	655	.02	27	39
23-06-0334	6487942	1085978	7-64	1 305	16,600	3.77	625	16 13,020	3.69	3-69	36	742	-.02	24	39
23-06-0341	6172526	1320310	9-64	1 305	19,470	3.41	663	18 16,170	3.83	9-68	35	930	-.08	21	42
23-06-0347	6816539	1399824	3-66	2 305	16,030	3.66	587	6 11,800	3.68	3-70	40	780	.02	31	46
23-06-0351	6741560	1470757	11-66	2 305	22,360	3.42	764	5 15,690	3.49	2-70	39	981	-.09	22	44
23-06-0353	6566960	1347940	5-66	2 303	18,315	3.20	586	14 15,290	3.53	11-69	40	856	-.05	24	42
23-06-0353	6720786	1347940	9-66	1 305	19,690	3.30	649	15 14,910	3.57	3-70	36	933	-.03	29	48
23-06-0354	5807789	1386189	1-63	4 294	19,383	3.16	612	16 14,723	3.58	4-70	33	809	-.06	20	38
23-06-0354	6980723	1347940	12-66	1 305	15,850	3.82	606	21 14,060	3.63	7-69	36	704	.01	27	41
23-06-0354	7104646	1283917	9-66	1 305	23,810	3.49	830	16 14,440	3.55	6-69	36	980	-.08	23	45
23-06-0356	6387960	1320310	8-65	2 305	16,145	3.38	545	12 11,645	3.83	446	40	1,059	-.08	26	49
23-07-0002	6021713	1411224	11-63	4 305	23,047	3.31	764	14 17,680	3.58	3-69	42	868	-.08	19	38
23-07-0017	6509609	1399824	1-66	3 303	17,843	3.97	708	7 15,543	3.95	1-70	42	643	.03	27	39
23-07-0017	6509610	1399824	1-66	2 305	19,655	4.24	834	11 15,095	3.89	587	40	847	.08	42	57
23-07-0024	6307226	1415405	4-64	3 305	16,643	4.33	720	16 13,050	3.78	493	42	618	.06	31	42
23-07-0024	7072269	1458744	2-68	1 305	19,160	3.41	654	19 15,720	3.78	594	36	828	-.04	24	41
23-07-0025	6503353	1399824	3-66	2 305	19,555	3.72	728	6 14,935	3.68	549	40	851	.02	34	50
23-07-0028	6811254	1473508	10-66	2 305	18,655	3.90	728	17 15,015	3.73	560	34	651	.01	25	38
23-07-0033	5262040	1308570	8-60	3 305	18,530	4.00	741	13 15,180	3.69	560	36	698	.06	34	46
23-07-0033	6760814	1309574	1-67	1 305	19,490	4.02	783	22 15,500	3.70	573	36	556	.07	30	39
23-07-0035	6998177	1441440	10-67	1 305	20,190	3.67	740	5 13,690	4.12	564	35	917	-.01	31	50
23-07-0054	6614395	1320310	8-66	2 295	16,105	3.93	633	12 14,090	3.84	541	40	830	-.03	26	43
23-07-0054	6907303	1427615	9-67	1 305	18,990	3.81	723	15 14,460	3.98	575	35	886	-.08	20	40
23-07-0084	6562129	1239822	7-65	3 292	23,490	3.12	733	11 16,777	3.70	621	41	926	-.08	22	42
23-07-0085	6969241	1427615	6-67	1 305	24,300	2.93	711	28 16,280	3.70	602	35	1,163	-.17	17	44
23-07-0091	6508219	1464508	10-65	3 305	21,933	3.60	790	7 16,903	3.73	631	38	797	-.05	22	39
23-07-0091	6818471	1468937	9-66	2 292	21,825	3.46	755	13 16,450	3.65	600	35	1,003	-.04	30	51
23-07-0091	6995998	1261857	12-67	1 305	21,040	3.53	743	10 18,160	3.68	668	36	716	.05	33	46
23-07-0099	6222535	1189870	9-63	1 305	23,080	3.79	875	16 18,230	3.67	669	36	638	.02	26	38
23-07-0099	6223535	1189870	9-63	2 293	24,960	3.72	928	38 19,030	3.72	707	40	883	.01	34	51
23-07-0099	6705761	1261857	10-66	2 305	26,450	3.51	928	49 19,040	3.66	696	40	1,246	.03	50	74
23-07-0099	7240615	1347940	3-67	1 305	25,450	3.34	849	62 17,930	3.48	624	36	1,160	-.03	37	61
23-07-0107	6627588	1261857	9-66	2 305	17,465	3.76	656	19 14,620	3.68	538	40	737	.07	37	50
23-07-0108	6258547	1427615	7-64	4 304	19,687	3.32	653	25 13,885	3.87	537	43	1,200	-.14	22	49
23-07-0113	6667917	1309574	10-66	1 305	21,870	3.76	822	5 15,940	3.61	575	36	704	.05	33	46
23-07-0113	7006149	1441440	1-68	1 301	22,090	3.46	765	5 17,110	3.61	617	35	828	-.01	29	46
23-07-0119	5766337	1259069	1-63	3 305	21,600	3.95	854	29 17,213	3.76	647	42	693	.01	27	40
23-07-0119	6390813	1179372	9-65	3 305	21,710	3.36	730	25 16,703	3.80	634	42	821	-.05	22	40
23-07-0119	6390814	1179372	9-65	3 305	21,467	3.57	767	27 17,497	3.76	658	42	711	-.01	24	38
23-07-0121	5058381	1189870	8-59	7 298	20,310	3.62	736	18 15,940	3.81	608	44	803	-.02	26	42
23-07-0121	5490330	1189870	9-61	6 301	20,450	3.74	764	16 15,507	3.85	597	44	872	.00	31	48
23-07-0121	5820049	1237057	3-63	3 305	24,520	3.32	813	24 16,413	3.78	621	42	1,247	-.11	28	56
23-07-0121	5914121	1237057	7-63	3 301	22,567	3.47	783	25 14,563	3.90	568	42	1,214	-.09	30	56
23-07-0121	6893037	1239242	7-67	1 305	23,280	3.26	760	25 16,340	3.71	606	36	819	-.05	22	40
23-07-0121	6893039	1237057	7-67	1 305	23,880	3.40	811	37 17,020	3.67	624	36	850	-.07	20	39
23-07-0124	5499965	1225853	2-60	3 305	24,383	4.45	1084	17 15,937	3.82	608	42	1,059	.19	66	82
23-07-0126	6663606	1461913	10-66	2 299	22,405	3.56	797	25 16,440	3.88	638	25	786	-.04	22	39
23-07-0126	6916454	1427615	11-67	1 305	21,330	3.43	732	14 16,810	3.72	625	35	903	-.10	17	38
23-07-0127	6682717	1309574	11-66	2 303	17,025	3.93	669	18 12,840	4.00	514	40	646	.04	29	41
23-07-0129	6362270	1441440	7-65	3 305	21,433	3.30	708	9 15,370	3.75	577	42	1,111	-.05	32	55
23-07-0129	6671979	1441440	10-66	1 305	19,090	3.91	747	12 14,710	4.00	588	35	764	.02	30	45
23-07-0133	6840116	1399824	2-67	1 299	18,910	4.04	764	13 15,180	3.98	604	36	683	.03	29	42
23-07-0133	6840118	1399824	4-67	1 305	19,350	4.26	825	15 14,950	4.03	602	36	731	.05	34	47
23-07-0137	6422361	1441440	12-65	3 293	15,500	3.84	595	10 12,403	3.94	489	42	731	.01	28	42
23-07-0148	5237647	1344950	1-61	7 305	17,668	4.02	710	16 14,525	3.81	553	39	681	.02	28	41
23-07-															

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%) MILK (L8)	I N O E X..... FAT FAT (L8) (L8)	..... OOL- LARS
23-07-0179	6347426	1347940	5-65	3 302 17,186 3.42 587	15 14,083 3.58 504	2-70	42 876	-.03 27	\$ 45
23-07-0203	6415610	1347940	11-65	3 287 19,266 3.86 743	8 15,293 3.82 584	9-69	42 990	-.01 37	56
23-07-0204	6607557	1347940	3-66	2 305 16,720 3.67 614	7 15,070 3.72 560	6-69	40 715	-.01 25	39
23-07-0204	6806203	1330987	2-67	1 305 17,590 4.05 713	10 14,110 3.54 499	8-69	36 605	-.08 34	44
23-07-0210	6040035	1347940	10-63	3 305 20,906 3.65 763	7 18,780 3.96 743	12-69	42 818	-.04 23	40
23-07-0211	6606457	1399824	8-66	1 305 21,830 4.32 942	10 17,100 3.94 674	10-69	36 772	.07 38	52
23-08-0001	6597047	1347940	9-65	1 298 17,320 3.61 625	30 12,890 3.65 471	2-70	36 892	-.01 31	49
23-08-0006	6450881	1347940	8-65	3 299 15,196 4.04 614	29 13,570 3.75 509	10-69	42 700	.03 30	43
23-08-0006	6706857	1347940	1-67	2 278 15,840 3.72 589	23 14,150 3.75 531	12-69	40 709	.00 25	39
23-08-0006	6903916	1347940	8-67	1 305 17,840 3.48 620	11 13,430 3.71 498	7-69	36 894	-.02 29	47
23-08-0006	6909711	1347940	6-67	1 300 20,330 3.51 713	26 14,230 3.66 521	11-69	36 1,026	-.02 34	55
23-08-0008	5587472	1378270	1-62	6 304 22,990 3.01 693	24 15,878 3.70 587	3-70	36 1,132	-.18 14	41
23-08-0008	6616302	1469311	9-66	2 303 18,985 3.81 724	44 15,070 3.74 563	10-69	40 620	.05 30	41
23-08-0008	6648425	1347940	9-66	2 305 21,455 3.25 697	29 15,205 3.68 559	2-70	40 1,183	-.06 33	58
23-08-0034	5466184	1244845	7-61	7 302 19,569 3.62 709	46 15,434 3.78 583	10-69	44 765	-.04 21	37
23-08-0034	6447030	1465867	8-65	2 305 20,755 3.73 774	21 16,425 3.77 619	1-69	30 665	.01 25	38
23-08-0034	6447033	1465867	9-65	2 305 19,745 3.97 784	20 15,825 3.80 602	5-69	30 610	.04 28	39
23-08-0038	6632744	1347940	6-66	2 303 15,175 4.03 611	36 12,805 3.80 486	8-69	40 765	.02 31	46
23-08-0038	6763615	1347940	7-66	1 305 19,080 3.75 716	73 12,810 3.83 490	1-69	36 1,028	.00 37	57
23-08-0038	6776681	1347940	1-67	1 305 17,450 3.67 640	39 13,820 3.75 518	10-69	36 839	-.01 29	46
23-08-0038	6802593	1347940	12-66	1 305 16,110 4.02 647	39 13,650 3.73 509	8-69	36 751	.02 30	44
23-08-0038	6916812	1347940	4-67	1 305 18,140 3.38 613	35 13,560 3.75 508	9-69	36 908	-.03 28	47
23-08-0038	6948107	1347940	11-67	1 305 18,220 3.25 593	39 14,550 3.58 521	2-70	36 848	-.04 25	43
23-08-0039	6503955	1207770	3-66	2 305 22,825 3.33 760	13 15,065 3.49 526	3-69	40 741	-.03 23	38
23-08-0039	6688259	1347940	7-66	2 305 19,420 3.09 601	17 15,125 3.65 552	10-69	40 984	-.08 24	45
23-08-0039	6688260	1347940	7-66	2 305 16,260 4.00 651	13 14,410 3.68 531	3-70	40 728	.03 31	45
23-08-0039	6688261	1347940	8-66	2 305 17,180 3.98 684	14 14,380 3.63 522	8-69	40 824	.04 35	50
23-08-0039	6740383	1347940	8-66	2 305 21,095 3.44 725	17 15,255 3.73 569	2-70	40 1,142	-.04 35	59
23-08-0039	6765889	1347940	10-66	2 305 19,420 3.95 768	22 15,960 3.72 594	11-69	40 907	.03 37	54
23-08-0039	6765892	1347940	11-66	1 255 17,630 3.40 599	21 15,460 3.56 550	2-69	36 743	-.02 24	39
23-08-0039	6829696	1347940	1-67	1 305 17,920 2.95 528	10 14,160 3.40 482	6-69	36 852	-.05 23	41
23-08-0039	6829699	1347940	4-67	1 305 17,690 3.87 685	12 13,780 3.51 484	7-69	36 860	.03 35	51
23-08-0039	6910556	1347940	6-67	1 305 19,460 3.98 775	20 15,440 3.63 561	9-69	36 880	.03 36	53
23-08-0039	6910557	1347940	7-67	1 305 17,870 3.69 659	21 15,910 3.68 586	10-69	36 730	.00 26	41
23-08-0039	6958862	1347940	8-67	1 305 18,630 3.87 721	20 15,440 3.63 561	9-69	36 819	.02 32	48
23-08-0039	7023600	1347940	10-67	1 305 21,120 3.69 779	18 16,170 3.71 600	1-70	36 955	.00 34	53
23-08-0041	6777748	1347940	4-67	1 305 20,100 3.56 715	11 13,630 3.84 524	12-69	36 1,049	-.03 34	55
23-08-0041	6947495	1347940	1-68	1 305 15,360 3.61 555	8 13,630 3.73 508	1-70	36 696	-.01 23	37
23-08-0044	6405902	1347940	9-65	2 305 16,560 4.05 671	17 14,325 3.71 531	6-69	40 766	.04 33	47
23-08-0044	6462773	1347940	10-65	2 305 19,520 3.67 717	39 14,960 3.83 573	10-69	40 1,009	-.02 34	54
23-08-0044	6462774	1347940	12-65	1 305 17,450 4.09 714	23 14,610 3.84 561	3-69	36 786	.02 32	47
23-08-0044	6462775	1347940	1-66	2 305 20,155 3.73 752	42 14,940 3.84 574	12-69	40 1,075	-.01 38	59
23-08-0044	6606318	1347940	6-66	2 305 17,005 3.68 625	34 15,060 3.82 576	1-70	40 745	-.01 25	40
23-08-0044	6769464	1347940	1-67	1 305 17,980 4.07 732	47 16,300 3.82 623	11-69	36 712	.02 29	43
23-08-0044	6839760	1347940	3-67	1 305 18,730 3.96 741	47 16,300 3.82 623	11-69	36 768	.01 29	44
23-08-0087	7001997	1347940	4-67	1 300 22,540 3.16 712	37 16,200 3.69 597	10-69	36 1,059	-.06 29	52
23-08-0087	7001999	1347940	6-67	1 305 18,060 3.70 668	28 15,640 3.66 573	8-69	36 763	.00 27	42
23-08-0104	7151292	1377954	7-67	1 305 19,080 4.08 779	25 15,460 3.68 569	6-69	36 652	.06 32	43
23-08-0124	6993345	1347940	8-67	1 305 23,650 3.40 803	22 17,780 3.81 678	12-69	36 1,036	-.05 30	52
23-08-0135	6554110	1347940	1-66	2 305 17,600 3.89 684	19 14,085 3.77 531	6-69	40 894	.02 35	52
23-08-0135	6572298	1347940	3-66	2 305 16,800 4.07 584	20 14,805 3.74 553	8-69	40 747	.04 33	47
23-08-0135	7006924	1347940	11-67	1 305 20,670 3.17 655	44 15,530 3.69 573	1-70	36 965	-.06 26	47
23-08-0135	7031651	1347940	11-67	1 305 18,960 3.40 645	44 15,530 3.69 573	1-70	36 837	-.03 26	43
23-08-0135	7085138	1347940	1-67	2 301 16,355 3.80 622	27 14,675 3.60 529	2-70	40 714	.02 28	42
23-08-0137	6729449	1347940	11-66	1 305 21,130 3.18 672	20 16,120 3.70 597	1-69	36 959	-.06 26	46
23-08-0137	6729450	1347940	12-66	2 305 19,515 3.67 717	15 15,970 3.73 596	3-70	40 916	-.01 32	50
23-08-0137	6729451	1347940	2-67	1 305 19,690 3.31 652	14 15,050 3.68 554	4-69	36 924	-.04 27	46
23-08-0138	6617463	1347940	10-66	2 305 19,475 4.01 781	23 15,820 3.67 580	2-70	40 926	.04 40	57
23-08-0138	6660460	1347940	12-66	2 290 18,255 3.45 630	16 15,945 3.71 592	2-70	40 791	-.03 24	40
23-08-0138	6660461	1347940	12-66	1 305 19,090 3.87 738	14 15,920 3.77 600	3-69	36 821	.01 31	47
23-08-0138	6775507	1347940	12-66	1 305 18,370 3.53 649	14 15,920 3.77 600	3-69	36 767	-.02 24	40
23-08-0138	6888081	1347940	9-67	1 305 20,510 3.34 686	30 16,110 3.71 598	12-69	36 914	-.04 27	46
23-08-0139	5750930	1189870	2-63	4 305 18,453 3.71 684	22 14,583 3.86 563	3-69	44 703	-.01 24	38
23-08-0139	6736399	1347940	9-66	2 305 19,805 3.69 730	26 17,090 3.70 632	2-70	40 843	.00 30	47
23-08-0139	6749083	1347940	12-66	1 305 19,000 3.57 678	14 15,900 3.84 610	9-69	36 815	-.02 26	43
23-08-0139	7104148	1347940	11-67	1 305 22,570 3.41 769	21 16,650 3.86 642	11-69	36 1,031	-.05 30	52
23-08-0140	6836803	1347940	1-67	1 305 15,350 3.84 590	21 12,820 3.82 490	2-70	36 750	.00 27	42
23-08-0143	6108055	1416011	3-64	4 305 18,300 4.20 768	6 16,002 3.74 598	9-69	38 406	.14 35	40
23-08-0143	6251693	1237057	9-64	3 298 21,757 3.74 814	13 17,010 3.90 663	12-68	42 868	-.05 24	42
23-08-0144	6457082	1347940	8-65	3 304 18,570 4.01 744	40 13,626 4.04 550	12-69	42 1,083	.01 41	62
23-08-0144	6599902	1347940	7-66	2 305 15,920 3.77 600	27 13,825 4.07 562	3-70	40 747	-.03 23	38
23-08-0144	6881277	1347940	9-67	1 305 17,690 3.62 641	36 13,910 4.04 562	10-69	36 851	-.03 26	44
23-08-0146	6745380	1347940	8-66	2 305 20,745 3.63 753	15 15,840 3.92 621	11-69	40 1,053	-.03 33	55
23-08-0146	6790158	1347940	9-66	1 305 19,720 3.82 753	17 15,370 3.81 586	5-69	36 904	.00 33	51
23-08-0146	6790160	1347940	10-66	1 305 17,060 3.63 619	14 15,300 3.80 581	6-69	36 711	-.02 23	38
23-08-0146	6859173	1347940	10-66	1 305 18,480 3.94 728	14 15,300 3.80 581	6-69	36 817	.01 31	47
23-08-0146	7328277	1347940	2-68	1 305 19,600 3.85 755	18 15,860 3.85 610	1-70	36 863	.00 31	48
23-08-0147	6875719	1347940	6-67	1 305 19,840 4.10 813	18 15,080 3.81 574	11-69	36 933	.03 38	56
23-08-0147	6974989	1347940	1-67	1 305 20,670 3.40 702	26 15,880 3.72 591	1-70	36 941	-.03 29	48
23-08-0149	6440743	1347940	12-65	1 305 16,080 3.41 548	31 13,140 3.80 499	12-69	36 783	-.04 23	39
23-08-0152	6533292	1347940	12-65	2 305 19,330 3.27 632	23 14,285 3.49 499	6-69	40 1,051	-.04 32	54
23-08-0152	6533293	1347940	1-66	2 305 16,775 3.82 640	24 14,215 3.58 509	2-70	40 798	.02 32	47
23-08-0152	6719454	1347940	5-66	2 304 16,935 3.43 581	26 13,975 3.56 497	7-69	40 836	-.02 27	44
23-08-0152	6820734	1347940	7-66	2 305 19,250 3.35 645	28 14,465 3.62 523	1-70	40 1,027	-.04 31	52
23-08-0152	6820735	1347940	9-66	1 305 16,910 3.60 608	35 13,830 3.60 498	11-68	36 798	-.01 28	44

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVD MO-YR	T.....C O W C REPT O (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS		
23-08-0152	6820736	1347940	12-66	1 186	17,340	3.59	622	27	15,290	3.60	550	12-69	8 36	733	-.01	25	\$ 40
23-08-0152	7058101	1347540	3-67	1 305	17,220	3.83	660	35	14,980	3.62	543	11-69	36	744	-.01	29	43
23-08-0152	7058103	1347940	7-67	1 305	18,250	3.21	585	35	14,800	3.65	540	9-69	36	833	-.05	23	41
23-08-0153	7072249	1347940	9-66	2 305	18,095	3.66	663	24	16,075	3.73	600	1-70	40	762	-.01	26	41
23-08-0153	7072256	1348259	9-66	2 305	22,665	3.46	784	19	16,540	3.83	633	9-69	40	989	-.04	30	51
23-08-0153	7093149	1347940	1-67	1 305	21,490	3.69	793	20	16,250	3.84	624	11-69	36	977	-.02	33	53
23-08-0153	7106377	1347940	8-67	1 305	19,160	3.77	723	18	15,220	3.76	573	1-70	36	873	-.00	31	48
23-08-0153	7180271	1347940	11-67	1 305	16,900	3.64	615	11	15,020	3.72	558	3-70	36	718	-.01	24	39
23-08-0157	6852177	1347940	8-67	1 305	16,930	3.79	641	26	14,500	3.82	554	10-69	36	755	-.00	27	42
23-08-0157	7113817	1347940	10-67	1 305	21,350	3.42	730	15	15,030	3.78	568	3-70	36	1,049	-.04	32	54
23-08-0157	7191507	1347940	12-66	1 305	19,680	3.38	665	29	16,180	3.68	596	12-68	36	847	-.03	26	44
23-08-0157	7197261	1347940	1-67	1 239	21,370	3.55	759	19	16,440	3.45	568	4-69	8 36	956	-.00	35	54
23-08-0157	7401877	1471956	11-67	1 305	18,600	4.02	748	27	14,880	3.76	560	2-70	33	804	-.00	29	45
23-08-0157	7406079	1347940	11-67	1 305	19,010	3.46	657	25	14,610	3.81	557	2-70	36	903	-.03	28	47
23-08-0163	6615837	1347940	8-65	3 304	21,076	3.07	648	30	16,303	3.76	613	12-69	42	1,094	-.11	23	47
23-08-0163	6641014	1347940	7-66	2 292	17,635	4.12	726	32	16,105	3.85	620	9-69	40	713	-.04	31	44
23-08-0163	6730013	1347940	8-66	2 305	19,185	3.61	692	28	15,545	3.92	610	8-69	40	921	-.04	28	47
23-08-0163	6730014	1347940	8-66	2 297	19,030	3.37	641	30	16,050	3.86	620	9-69	40	860	-.06	22	41
23-08-0163	6730018	1347940	1-67	2 298	20,490	3.26	667	31	16,350	3.83	626	11-69	40	980	-.08	24	45
23-08-0163	6739942	1347940	3-66	3 297	19,580	3.99	782	17	16,546	3.67	607	3-70	42	897	-.04	39	56
23-08-0163	6925784	1347940	11-66	1 305	22,620	3.66	828	33	16,310	3.82	623	12-68	36	1,058	-.01	36	57
23-08-0163	6925785	1347940	11-66	2 300	18,870	3.97	750	32	16,425	3.82	628	12-69	40	809	-.02	32	48
23-08-0163	7159136	1347940	10-66	2 305	20,660	3.49	721	32	15,915	3.88	618	10-69	40	1,037	-.05	30	52
23-08-0170	6673796	1347940	12-66	2 298	17,065	3.40	581	7	14,380	3.79	545	3-70	40	813	-.04	23	40
23-08-0170	7226548	1347940	2-68	1 305	16,770	3.92	658	12	14,710	3.84	565	3-70	36	729	-.00	27	41
23-08-0172	6881276	1347940	8-67	1 290	18,370	3.51	644	22	15,850	3.84	609	12-69	36	772	-.03	23	39
23-08-0172	7183898	1347940	12-66	1 305	18,230	3.59	654	25	16,720	3.77	631	1-69	36	703	-.02	22	37
23-08-0172	7208538	1347940	12-67	1 305	19,010	3.35	636	23	16,590	3.78	627	1-70	36	770	-.05	21	37
23-08-0190	6497219	1347940	10-65	2 305	20,810	3.69	768	10	16,210	3.77	611	7-69	40	1,026	-.01	36	57
23-08-0190	6497220	1347940	12-65	2 301	18,970	3.62	686	11	15,780	3.71	586	12-68	40	878	-.01	30	48
23-08-0190	6755389	1347940	1-67	1 305	21,330	3.04	648	13	16,410	3.60	590	12-68	36	955	-.06	25	46
23-08-0209	6766551	1331709	10-66	1 305	24,230	3.61	874	42	15,580	3.93	613	10-69	35	951	-.06	26	46
23-08-0233	6928339	1261857	9-67	1 305	20,300	3.51	713	16	15,820	3.59	568	10-69	36	818	-.06	38	53
23-08-0233	6928340	1473442	10-67	1 305	20,090	3.55	819	15	15,390	3.61	555	10-69	33	1,056	-.05	31	53
23-08-0234	5954506	010251372	7-61	3 289	20,320	4.03	818	20	16,677	3.73	622	11-69	32	675	-.08	36	47
23-08-0234	5954507	010251372	9-61	3 305	22,077	3.67	811	12	17,050	3.73	636	4-70	32	866	-.01	33	50
23-08-0234	6165129	010236866	4-58	4 305	20,782	3.57	742	18	15,490	3.79	587	8-69	41	760	-.01	26	41
23-08-0262	6453985	1347940	12-65	3 300	17,810	3.50	623	32	13,586	3.81	517	11-69	42	999	-.04	30	51
23-08-0262	6785260	1347940	2-67	1 305	18,240	3.28	598	35	14,340	3.79	544	10-69	36	863	-.05	24	42
23-08-0262	6962162	1347940	10-67	1 305	17,650	3.55	627	33	14,380	3.78	544	11-69	36	817	-.02	26	43
23-08-0262	7052740	1347940	1-68	1 305	16,550	3.70	613	35	14,340	3.79	544	10-69	36	737	-.01	25	40
23-08-0279	6635733	1347940	5-66	1 305	16,060	3.56	571	21	13,980	3.73	522	8-69	36	725	-.01	24	39
23-08-0279	6758605	1347940	8-66	1 305	16,680	3.95	659	15	14,310	3.68	526	3-69	36	749	-.02	30	44
23-08-0281	5942699	1388663	9-63	4 305	20,435	3.38	691	47	16,315	3.52	575	11-69	37	714	-.02	23	38
23-08-0281	6512156	1389471	1-66	2 305	21,020	3.43	721	30	15,705	3.48	547	8-69	40	783	-.05	21	38
23-08-0291	6569379	1347940	10-65	3 293	16,843	3.66	616	23	14,490	3.77	546	1-70	42	795	-.02	26	42
23-08-0291	6703279	1347940	12-66	2 305	16,825	3.60	605	13	14,340	3.84	551	3-70	40	792	-.02	25	41
23-08-0291	6703280	1347940	1-67	1 305	16,230	3.81	619	23	14,290	3.81	545	2-69	36	717	-.00	26	40
23-08-0291	7080111	1347940	8-67	1 305	17,230	3.48	600	9	14,550	3.85	560	3-70	36	774	-.03	23	39
23-08-0291	7080112	1347940	9-67	1 305	19,360	3.60	696	9	14,550	3.85	560	3-70	36	933	-.02	30	49
23-08-0291	7105193	1347940	7-66	2 305	18,545	3.78	701	31	14,755	3.77	557	1-70	40	929	-.00	34	52
23-08-0309	6471246	1347940	9-65	3 305	19,126	3.42	654	15	16,113	3.90	628	11-69	42	889	-.07	22	41
23-08-0312	6722137	1347940	10-66	2 293	19,765	3.25	643	21	15,610	3.68	574	12-69	40	974	-.06	26	47
23-08-0313	5753666	1237057	2-63	4 303	20,460	3.59	735	18	16,230	3.75	609	1-70	44	830	-.05	22	40
23-08-0313	6508803	1330987	9-65	2 305	20,690	4.07	842	19	17,255	3.61	623	5-69	40	706	-.11	41	52
23-08-0313	6508805	1473205	9-65	2 305	23,345	3.53	824	17	17,125	3.73	638	3-69	25	827	-.03	26	43
23-08-0321	6859758	1347940	8-65	2 305	20,390	3.39	692	12	14,045	3.59	504	1-69	40	1,181	-.03	38	62
23-08-0330	6226351	1417208	1-65	3 305	17,363	3.61	626	38	13,956	3.64	508	9-69	42	787	-.00	29	44
23-08-0330	6253257	1417208	2-65	3 300	16,536	3.99	660	36	13,813	3.65	504	9-69	42	706	-.05	33	46
23-08-0330	6518597	1441440	12-65	1 302	19,790	3.97	785	51	15,170	3.62	549	10-69	35	786	-.05	35	49
23-08-0330	6707198	1348259	12-66	1 305	18,640	3.80	709	10	14,870	3.56	529	6-69	36	651	-.03	28	40
23-08-0331	5370073	1276888	5-61	3 305	17,163	3.83	658	13	13,830	3.57	494	12-68	42	552	-.06	28	38
23-08-0331	6899276	1261857	9-67	1 305	18,270	3.45	630	12	15,800	3.74	591	3-70	36	668	-.04	30	42
23-08-0331	7371070	1387978	3-68	1 305	19,410	3.68	714	9	15,960	3.68	588	3-70	35	695	-.00	25	39
23-08-0343	6401374	1347940	11-65	2 305	21,110	3.41	719	15	15,080	3.79	572	12-68	40	1,159	-.05	34	58
23-08-0365	5991336	1294703	11-63	3 305	20,703	3.60	745	14	16,063	3.82	613	11-68	42	948	-.06	26	46
23-08-0370	6494422	1347940	9-65	3 305	15,640	3.93	614	13	13,420	3.93	527	11-69	42	767	-.00	28	43
23-08-0370	7192612	1347940	3-68	1 305	17,140	3.97	680	7	14,830	3.70	548	1-70	36	748	-.02	30	44
23-08-0372	6432289	1347940	9-65	3 291	21,140	3.45	729	18	18,316	3.77	690	11-69	42	893	-.06	24	43
23-08-0377	6762575	1347940	2-67	1 305	18,310	3.34	611										

TABLE 3. HOLSTEIN US0A-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS	
23-08-0436	6746740	1347940	9-66	2 305	21,850	3.65	798	36	17,265	3.78	653	12-69	40	1,035	-.02	35	\$ 56
23-08-0436	6776727	1347940	10-66	2 305	20,140	3.84	774	32	17,570	3.75	659	12-69	40	833	.01	32	48
23-08-0436	6791625	1347940	12-66	2 301	19,650	3.68	724	42	17,315	3.81	660	10-69	40	807	-.01	27	43
23-08-0436	6944397	1379208	10-67	1 305	22,920	3.60	826	55	17,610	3.78	665	11-69	35	820	-.01	28	45
23-08-0457	5781678	1306477	10-62	3 305	22,073	3.60	794	9	15,313	3.92	600	9-68	42	872	-.08	20	39
23-08-0460	6978796	1347940	7-66	2 293	19,980	3.62	724	22	15,595	3.66	570	10-69	40	998	-.01	35	55
23-08-0460	6978797	1347940	3-67	1 305	19,280	3.22	621	15	16,640	3.53	587	11-69	36	787	-.04	23	40
23-08-0462	6450901	1347940	10-65	3 304	20,980	3.15	661	25	15,840	3.66	580	1-70	42	1,131	-.08	28	53
23-08-0462	6450903	1445401	10-65	3 304	22,943	3.07	705	28	15,836	3.65	578	12-69	41	875	-.06	22	41
23-08-0462	6973146	1347940	12-67	1 305	20,500	3.47	712	31	17,190	3.50	602	11-69	36	841	-.01	29	46
23-08-0463	5163024	1270141	4-60	6 302	20,923	4.03	843	19	16,362	3.67	600	2-69	40	687	.10	40	51
23-08-0463	5733772	1401967	10-62	4 305	20,580	3.75	771	16	16,920	3.59	607	11-68	33	663	.07	34	45
23-08-0463	5733774	1401967	11-62	4 305	18,235	4.51	823	26	16,140	3.57	577	9-69	33	424	.21	46	49
23-08-0463	6455211	1422112	10-64	4 305	21,615	3.37	728	30	15,890	3.69	586	11-69	32	1,041	-.07	27	49
23-08-0463	6637295	1469311	11-66	1 305	19,040	3.94	750	23	14,270	3.75	535	9-69	35	585	.06	30	40
23-08-0466	6431947	1347940	12-65	3 297	15,546	4.06	631	17	13,433	3.66	492	12-69	42	755	.05	34	48
23-08-0466	6672387	1347940	7-66	2 305	16,010	3.78	605	16	13,010	3.60	468	10-69	40	831	.01	32	48
23-08-0466	6854432	1347940	3-67	1 301	17,110	4.14	708	16	14,500	3.70	536	3-70	36	768	.04	33	47
23-08-0466	7003385	1347940	12-67	1 305	17,200	3.21	552	19	14,250	3.66	521	2-70	36	792	-.04	22	39
23-08-0468	6796253	1347940	10-66	1 305	20,410	3.44	702	19	14,970	3.56	533	1-69	36	983	-.02	33	53
23-08-0468	6796258	1347940	12-66	1 305	18,240	3.44	628	10	14,650	3.67	538	7-69	36	842	-.02	27	44
23-08-0468	6796259	1458744	12-66	1 305	19,340	3.73	722	11	14,480	3.67	531	7-69	36	924	.00	33	51
23-08-0473	7113819	1469311	10-67	1 305	21,390	3.94	842	5	17,320	3.50	607	8-69	35	556	.08	32	41
23-08-0482	5536571	1189870	11-61	4 305	23,323	3.46	807	9	19,035	3.66	697	2-70	44	809	-.03	25	42
23-08-0482	6804979	1347940	12-66	1 300	23,100	3.39	784	12	18,350	3.71	681	6-69	36	956	-.04	29	49
23-08-0493	7178426	1347940	9-66	1 305	22,110	3.68	813	17	11,930	3.74	446	3-69	36	1,313	.00	47	73
23-08-0496	6686098	1347940	8-66	2 290	16,855	3.67	619	11	14,980	3.63	544	11-69	40	737	.00	27	42
23-08-0511	6306695	1330987	11-64	3 302	19,610	3.24	636	26	16,127	3.68	593	11-69	42	738	-.03	22	37
23-08-0511	6677204	1347940	9-66	1 305	20,240	3.45	698	10	15,710	3.77	593	4-69	36	920	-.03	28	47
23-08-0511	6780478	1347940	11-66	2 305	18,360	3.48	639	23	16,550	3.69	611	10-69	40	746	-.03	23	38
23-08-0524	5407032	1189870	8-61	6 304	20,362	3.13	637	14	15,038	3.80	572	12-68	44	915	-.10	18	39
23-08-0524	5882530	1189870	8-63	4 297	20,013	3.85	771	11	15,960	3.71	592	4-69	44	742	.04	32	46
23-08-0524	6182179	1189870	12-63	4 298	20,680	3.58	740	12	15,785	3.71	586	1-70	44	844	-.01	29	46
23-08-0524	6438262	1446646	7-65	3 305	21,106	3.92	828	15	16,380	3.77	618	2-70	34	917	.03	37	55
23-08-0524	6964165	1347940	11-67	1 305	18,570	3.78	702	26	16,060	3.85	618	8-69	36	773	-.01	27	42
23-08-0528	7223682	010229512	8-63	2 302	18,590	4.03	749	18	15,740	3.41	536	1-70	40	419	.14	35	40
23-08-0528	011974414	010229512	3-64	1 305	20,760	3.77	783	17	15,290	3.39	519	2-69	35	540	.10	34	42
23-08-0529	6449680	1347940	8-65	3 305	19,086	3.84	733	11	16,060	3.75	603	12-69	42	890	.01	34	51
23-08-0529	6819520	1347940	9-66	2 305	20,840	3.70	772	13	16,010	3.85	617	11-69	40	1,047	-.01	36	57
23-08-0536	6405348	1357743	6-65	2 305	22,760	3.38	769	13	14,200	3.58	509	3-69	40	992	-.06	27	48
23-08-0537	6127822	1278644	8-64	4 299	20,798	3.33	692	15	15,825	3.58	567	11-69	44	994	-.09	22	44
23-08-0537	6629992	1348259	10-66	2 299	19,030	3.50	666	24	15,860	3.54	561	10-69	40	682	.00	25	38
23-08-0537	6978778	1379208	9-67	1 305	20,150	3.61	728	8	16,360	3.26	533	1-70	35	696	.03	29	42
23-08-0543	6781804	1347940	1-67	2 305	20,660	3.42	706	5	16,355	3.67	601	3-70	40	997	-.04	30	51
23-08-0543	7111517	1347940	10-66	2 305	21,545	3.64	785	5	16,505	3.62	598	2-70	40	1,073	.00	39	60
23-08-0545	6892883	1347940	2-66	2 304	17,200	3.59	618	19	13,520	3.68	498	11-69	40	905	-.01	31	49
23-08-0550	6683798	1347940	8-66	2 305	17,315	3.43	594	6	15,285	3.66	559	4-70	40	755	-.03	23	39
23-08-0550	6683799	1347940	11-66	2 305	18,975	3.48	661	9	15,995	3.68	589	11-69	40	859	-.03	27	45
23-08-0550	6683801	1347940	12-66	2 296	17,925	3.50	627	7	16,260	3.72	605	12-69	40	728	-.03	22	37
23-08-0550	6851663	1347940	4-67	1 305	18,310	3.76	689	12	16,700	3.63	607	11-69	36	710	.01	27	41
23-08-0552	6677685	1347940	12-66	1 294	21,760	3.31	721	20	15,980	3.52	562	9-69	36	1,016	-.03	32	53
23-08-0556	6415452	1347940	10-65	3 305	16,483	3.48	574	9	14,403	3.61	520	1-70	42	762	-.02	24	40
23-08-0558	6669453	1347940	3-66	2 304	20,930	3.98	834	14	14,635	3.78	553	6-69	40	1,182	.04	48	71
23-08-0559	6685536	1347940	10-66	2 305	17,385	4.01	697	25	14,785	3.84	568	12-69	40	808	.03	33	48
23-08-0559	6695035	1347940	11-66	2 301	17,560	3.74	657	25	14,865	3.83	569	12-69	40	819	-.01	28	44
23-08-0559	6791562	1347940	3-67	1 305	19,850	4.09	812	11	14,610	3.83	560	2-70	36	965	.03	39	57
23-08-0559	7121968	1347940	7-67	1 272	17,450	3.30	575	25	15,010	3.78	567	12-69	36	760	-.04	21	37
23-08-0563	7049137	1347940	10-67	1 305	21,350	3.27	699	9	16,290	3.51	571	2-70	36	964	-.03	30	50
23-08-0569	6185921	1199324	8-64	3 258	18,446	3.53	652	14	15,100	3.85	581	8-69	42	862	-.05	24	42
23-08-0569	6987013	1347940	8-67	1 305	21,540	3.40	733	10	17,210	3.54	610	11-69	36	917	-.02	30	49
23-08-0569	6987015	1347940	9-67	1 305	19,770	3.35	663	13	15,890	3.64	579	1-70	36	873	-.03	27	45
23-08-0574	6933536	1320310	9-67	1 305	23,120	3.24	750	12	15,110	3.67	555	10-69	35	1,278	-.09	32	60
23-08-0574	7113984	1320310	12-67	1 305	17,010	3.67	624	18	15,200	3.68	560	1-70	35	810	-.04	23	40
23-08-0581	5428705	1199324	9-61	3 305	15,536	3.44	534	9	11,633	3.63	422	2-70	42	887	-.03	27	45
23-08-0583	6432582	1347940	11-65	2 293	15,015	3.57	536	32	13,265	3.66	486	12-68	40	706	-.01	24	38
23-08-0583	6432584	1347940	12-65	2 305	15,735	3.73	587	14	12,980	3.67	476	3-69	40	806	.01	30	46
23-08-0583	6648431	1347940	10-66	1 305	15,880	3.84	610	26	13,960	3.65	509	10-68	36	713	.01	27	41
23-08-0585	6534045	1347940	3-66	2 283	17,740	4.00	710	10	15,095	3.73	563	9-69	40	816	.03	34	49
23-08-0585	6739193	1347940	10-66	1 305	19,960	3.57	712	11	15,880	3.75	596	12-68	36	888	-.02	29	47
23-08-0589	6858862	1347940	12-66	1 305	18,010	3.41	615	20									

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS	MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C REPT O (%)	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	OOL- LARS	
23-09-0032	6543566	1347940	1-66	2 305	18,945	3.69	700	16	13,560	3.88	526	8-69	40	1,078	-.01	37	\$ 59
23-09-0032	6878898	1347940	7-67	1 305	17,030	3.67	625	11	14,760	3.88	572	12-69	36	745	-.02	24	39
23-09-0036	5238314	1320310	1-61	4 305	15,538	3.89	605	22	13,558	3.56	483	7-69	43	831	.00	30	46
23-09-0039	6596369	1347940	11-65	3 298	20,020	3.49	698	5	17,650	3.52	622	1-70	42	833	-.01	28	45
23-09-0051	5992444	1189870	10-63	4 305	16,790	4.25	714	16	14,560	3.78	550	11-69	44	500	.08	30	38
23-09-0051	6519949	1320310	6-65	3 305	15,987	3.83	612	18	13,583	3.84	521	11-69	42	879	-.03	27	45
23-09-0051	6612460	1399824	5-66	2 305	18,535	4.00	742	22	14,370	3.83	551	12-69	40	799	.05	36	51
23-09-0051	6612461	1320310	6-66	2 305	16,270	3.82	621	16	14,345	3.89	558	1-70	40	824	-.05	23	40
23-09-0051	7061779	1320310	3-67	1 304	17,640	3.51	620	22	15,160	3.74	567	11-69	35	861	-.06	22	41
23-09-0051	7324152	1320310	6-67	1 305	19,230	3.89	748	22	15,160	3.74	567	11-69	35	981	-.03	31	51
23-09-0060	6187957	1320310	7-64	4 305	20,053	3.51	703	14	16,363	3.62	593	1-70	43	1,078	-.06	30	53
23-09-0060	6401201	1320310	6-65	3 305	16,693	3.91	653	16	14,477	3.70	535	7-69	42	867	-.01	30	47
23-09-0060	6668838	1320310	8-66	2 305	19,080	3.40	649	14	14,600	3.80	555	10-69	40	1,087	-.09	26	50
23-09-0060	6870913	1320310	7-67	1 305	16,200	3.60	583	7	14,690	3.57	525	7-69	35	784	-.04	22	39
23-09-0060	6870914	1320310	7-67	1 305	17,930	3.35	601	7	14,690	3.57	525	7-69	35	915	-.07	23	43
23-09-0061	6706367	1441440	11-66	1 305	17,370	3.62	628	24	14,550	3.75	545	10-68	35	645	.01	24	37
23-09-0062	5920051	1343665	7-63	4 303	18,375	3.63	667	7	14,378	3.85	553	4-69	43	744	-.02	24	39
23-09-0064	5295908	1189870	3-61	6 305	19,362	3.38	655	10	14,988	3.78	566	3-69	44	792	-.05	21	38
23-09-0065	6583127	1347940	7-66	2 305	20,665	3.18	658	22	15,880	3.86	613	11-69	40	1,041	-.09	24	47
23-09-0065	6777568	1347940	8-66	2 305	20,665	4.01	829	19	15,275	3.81	582	8-69	40	1,096	.04	45	66
23-09-0065	6905348	1320310	8-67	1 305	21,790	3.90	849	23	16,800	3.89	654	12-69	35	1,063	-.04	33	55
23-09-0068	6528607	1320310	3-66	2 295	19,950	3.04	607	26	14,800	3.50	518	5-69	40	1,157	-.10	26	52
23-09-0068	6528608	1320310	3-66	2 305	17,010	3.58	609	15	13,650	3.74	510	12-69	40	963	-.06	26	47
23-09-0068	6739797	1320310	2-67	1 305	19,780	3.66	723	13	14,760	3.71	547	12-69	35	1,049	-.05	31	53
23-09-0068	6853873	1320310	3-67	1 305	16,870	3.26	550	31	14,880	3.53	526	5-69	35	822	-.07	19	37
23-09-0068	6853874	1320310	4-67	1 305	16,100	3.55	571	28	14,400	3.51	505	8-69	35	796	-.05	22	39
23-09-0068	6853878	1347940	5-67	1 305	20,990	3.53	741	9	16,210	3.53	572	3-70	36	943	-.01	33	52
23-09-0068	6926099	1347940	8-67	1 305	16,850	3.25	547	26	14,180	3.57	506	8-69	36	770	-.03	23	39
23-09-0068	6926102	1347940	9-67	1 305	18,710	2.81	525	26	14,180	3.57	506	8-69	36	909	-.08	21	41
23-09-0069	5618370	1189870	7-62	4 305	20,650	3.37	696	12	14,025	3.81	535	4-70	44	1,036	-.06	29	51
23-09-0069	6615531	1347940	1-66	2 305	16,480	3.42	563	12	12,960	3.98	516	5-69	40	883	-.05	24	43
23-09-0069	6615532	1347940	1-66	3 302	17,973	3.71	666	12	14,056	3.78	532	1-70	42	970	-.01	34	53
23-09-0073	6309468	1320310	2-65	3 305	17,927	3.66	656	7	14,707	3.87	569	2-70	42	987	-.06	27	48
23-09-0073	6629534	1347940	4-66	1 305	18,310	4.01	735	5	14,920	4.10	612	11-68	36	830	.00	30	46
23-09-0077	6739258	1347940	9-66	2 281	16,625	3.63	604	15	15,120	3.68	556	3-70	40	700	-.01	24	38
23-09-0079	6502673	1347940	10-65	1 305	17,280	3.82	660	7	14,420	3.56	514	12-68	36	786	.02	31	46
23-09-0081	6095409	1329588	4-64	3 305	19,227	3.45	663	13	14,040	3.62	508	5-69	42	831	-.04	24	41
23-09-0081	6350812	1330987	2-64	3 305	17,720	3.86	684	23	15,710	3.64	572	1-69	42	564	.07	30	40
23-09-0081	6753609	1347940	10-66	1 305	18,000	3.66	659	13	15,640	3.59	561	10-68	36	758	.00	27	42
23-09-0081	6806477	1347940	12-66	1 305	21,640	3.29	713	18	16,350	3.52	575	1-69	36	982	-.03	31	51
23-09-0081	6806478	1347940	1-67	1 305	19,120	3.51	672	18	16,350	3.52	575	1-69	36	794	-.01	27	43
23-09-0083	6468288	1347940	12-65	2 300	17,775	3.66	651	7	13,960	4.15	579	8-69	40	923	-.04	27	46
23-09-0088	5635633	1343665	9-61	2 305	18,255	3.94	720	9	12,740	3.93	501	1-69	40	806	.02	32	47
23-09-0088	6361829	1320310	10-64	3 305	19,173	3.42	655	10	13,603	3.82	519	4-69	42	1,248	-.09	32	59
23-09-0088	6593954	1320310	9-64	1 305	20,570	3.12	642	9	14,880	3.68	547	5-69	35	1,101	-.10	25	49
23-09-0088	6813076	1441440	3-67	1 305	19,520	3.53	690	8	15,560	3.64	567	7-69	35	739	.00	27	42
23-09-0096	6729313	1320310	1-67	1 305	20,320	3.76	765	15	16,010	3.87	620	6-69	35	1,005	-.05	29	50
23-09-0101	6350000	1347940	3-65	3 305	16,820	3.56	599	24	13,496	3.74	505	9-69	42	895	-.02	29	47
23-09-0101	6511993	1347940	10-65	2 305	19,075	3.54	676	15	14,755	3.73	550	2-69	40	982	-.02	32	52
23-09-0101	6511994	1347940	3-66	2 305	16,285	3.82	622	19	14,245	3.75	534	1-70	40	746	.01	28	43
23-09-0101	6654047	1347940	4-66	2 305	16,370	4.05	663	22	13,840	3.74	518	9-69	40	792	.04	34	49
23-09-0101	6654048	1347940	4-66	2 305	16,035	3.88	622	22	13,840	3.74	518	9-69	40	758	.02	30	45
23-09-0101	6654049	1347940	7-66	2 305	18,050	3.37	608	19	14,245	3.75	534	1-70	40	925	-.04	27	46
23-09-0101	6654050	1347940	7-66	2 298	15,615	4.18	652	23	13,770	3.75	517	8-69	40	721	.05	33	46
23-09-0101	6654052	1347940	9-66	2 305	15,855	3.61	572	19	14,230	3.77	536	12-69	40	704	-.02	23	37
23-09-0101	6654053	1347940	10-66	1 305	17,950	3.60	646	28	13,780	3.75	517	10-69	36	879	-.01	30	48
23-09-0101	6684465	1347940	7-66	2 305	18,070	3.50	633	24	13,690	3.75	513	10-69	40	978	-.03	31	51
23-09-0101	6765454	1347940	12-65	1 305	16,740	3.88	649	18	14,140	3.76	532	12-69	36	765	.01	29	44
23-09-0101	6765456	1347940	3-66	2 305	18,295	3.73	683	23	13,515	3.74	506	7-69	40	1,017	.00	37	57
23-09-0101	6765457	1347940	11-66	1 305	17,050	3.54	604	23	13,560	3.77	511	9-69	36	827	-.02	27	44
23-09-0101	6765458	1347940	12-66	1 305	18,240	3.23	589	21	13,200	3.79	500	7-69	36	940	-.05	26	46
23-09-0101	6765459	1347940	12-66	1 305	18,450	3.76	694	21	13,200	3.79	500	7-69	36	955	.00	34	53
23-09-0101	6765460	1347940	12-66	1 305	17,350	3.93	682	18	13,390	3.69	494	6-69	36	861	.02	34	51
23-09-0101	6765461	1347940	12-66	1 305	15,270	3.61	551	18	13,390	3.69	494	6-69	36	706	-.01	24	38
23-09-0101	6765462	1347940	1-67	1 305	16,060	3.80	611	18	13,390	3.69	494	6-69	36	765	.00	28	43
23-09-0101	6765463	1347940	1-67	1 305	19,040	3.74	712	18	13,390	3.69	494	6-69	36	987	.00	36	55
23-09-0101	6765464	1347940	1-67	1 305	16,270	3.73	607	18	13,390	3.69	494	6-69	36	780	.00	28	43
23-09-0101	6765467	1347940	3-67	1 305	16,330	3.55	579	12	14,080	3.74	526	5-69	36	738	-.02	24	39
23-09-0101	6765468	1347940	3-67	1 305	17,450	3.31	577	18	13,390	3.69	494	6-69	36	868	-.04	26	44
23-09-0101	6833935	1347940	3-67	1 305	15,720	3.78	595	21	13,200	3.79	500	7					

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%) (L8)	FAT (%) (L8)	DOL- LARS
23-09-0102	6780778	1347940	10-66	2 293 18,310 3.71 679	28 13,395 3.73 500	11-69	40	1,029	.00	37	\$ 57
23-09-0102	6799417	1347940	11-66	2 284 15,080 3.68 555	22 13,145 3.64 478	2-70	40	724	.00	26	40
23-09-0102	6821934	1347940	12-66	1 305 15,920 3.67 584	21 13,350 3.72 497	3-69	36	757	-.01	26	41
23-09-0102	6821935	1347940	1-67	1 305 19,060 3.87 738	27 13,520 3.69 499	2-69	36	979	.02	38	57
23-09-0102	6821936	1347940	1-67	2 305 16,315 3.57 583	21 13,025 3.68 479	3-70	40	860	-.01	29	46
23-09-0102	6911357	1347940	6-67	1 305 15,860 4.03 639	22 12,230 3.83 468	6-69	36	827	.01	32	48
23-09-0102	6911359	1347940	7-67	1 305 15,080 3.62 546	18 12,460 3.79 472	7-69	36	754	-.01	25	40
23-09-0102	7024623	1347940	12-67	1 305 17,520 3.33 583	25 12,870 3.69 475	1-70	36	908	-.03	28	47
23-09-0102	7025430	1347940	8-67	1 305 17,200 3.48 598	26 13,480 3.81 514	10-69	36	843	-.03	26	43
23-09-0102	7025434	1347940	9-67	1 292 15,150 3.74 566	27 13,580 3.82 519	11-69	36	684	-.01	23	37
23-09-0102	7028840	1347940	10-67	1 305 15,230 4.02 612	26 13,480 3.81 514	10-69	36	697	.01	27	40
23-09-0102	7028842	1347940	11-67	1 305 20,000 3.28 655	26 13,480 3.81 514	10-69	36	1,052	-.05	30	52
23-09-0102	7028843	1347940	12-67	1 285 16,330 3.70 605	27 13,580 3.82 519	11-69	36	772	-.01	26	42
23-09-0102	7059044	1347940	10-67	1 305 18,430 4.01 739	27 13,080 3.83 501	9-69	36	962	.02	37	56
23-09-0102	7059045	1347940	10-67	1 305 19,500 3.33 649	28 13,020 3.78 492	12-69	36	1,046	-.04	31	53
23-09-0102	7062894	1347940	12-67	1 304 19,020 3.79 720	25 12,870 3.69 475	1-70	36	1,020	.01	38	58
23-09-0102	7086910	1347940	2-68	1 305 16,040 3.45 553	25 12,870 3.69 475	1-70	36	798	-.03	25	41
23-09-0102	7102397	1347940	2-68	1 305 18,010 3.70 667	19 12,760 3.67 468	2-70	36	952	.00	34	53
23-09-0102	7102398	1347940	2-68	1 305 15,760 3.74 590	15 12,530 3.66 459	3-70	36	800	.00	29	45
23-09-0118	6392782	1320310	10-65	2 305 16,365 3.46 566	30 13,005 3.68 478	9-69	40	956	-.06	25	46
23-09-0118	6392783	1320310	11-65	2 305 15,175 3.91 594	30 13,005 3.68 478	9-69	40	835	-.01	28	45
23-09-0118	6419425	1441440	12-65	2 279 16,000 3.85 616	25 12,975 3.75 486	9-69	40	700	.03	29	42
23-09-0118	6498628	1441440	2-66	2 284 16,390 4.33 710	11 13,445 3.81 512	3-70	40	697	.08	37	49
23-09-0118	6525838	1441440	4-66	2 298 18,970 3.15 598	26 12,890 3.68 474	9-69	40	1,011	-.05	29	50
23-09-0118	6665346	1441440	12-66	1 305 18,860 3.32 626	19 12,860 3.62 465	6-69	35	873	-.02	29	47
23-09-0118	6802807	1320310	11-66	1 302 19,650 3.43 674	14 13,220 3.64 481	5-69	35	1,144	-.06	32	56
23-09-0119	6012870	1189870	10-61	4 305 17,263 3.77 650	12 13,278 3.92 521	1-69	44	701	.00	25	39
23-09-0119	6813987	1441440	8-66	2 305 16,230 3.70 600	12 13,765 3.77 519	12-69	40	651	.01	25	38
23-09-0119	7049514	1320310	1-67	1 305 16,640 3.16 525	6 13,510 3.63 491	8-69	35	897	-.08	20	40
23-09-0134	5874361	1199324	9-63	3 305 20,053 3.56 714	8 16,626 3.55 591	4-69	42	889	-.01	30	48
23-09-0137	6314155	1320310	1-65	3 305 17,280 3.49 603	7 12,960 3.68 477	1-70	42	1,095	-.06	30	53
23-09-0140	5830346	1189870	12-62	3 300 18,337 3.60 660	6 14,207 3.82 542	12-69	42	700	-.02	23	37
23-09-0141	6055128	1390131	11-63	3 297 18,486 4.06 751	16 14,886 3.87 576	3-70	40	719	.08	37	49
23-09-0141	6268179	1237057	5-64	2 305 21,100 3.49 736	15 15,905 3.92 624	3-70	40	844	-.08	18	37
23-09-0141	6708448	1347940	6-66	2 305 18,405 4.04 744	16 16,105 3.93 633	4-70	40	791	.02	31	46
23-09-0141	6739975	1347940	8-66	1 305 20,300 3.43 696	19 15,020 3.86 580	10-68	36	971	-.04	29	49
23-09-0141	6838804	1347940	2-67	1 305 19,100 3.74 715	13 13,870 3.80 527	5-69	36	959	.00	34	53
23-09-0141	6968801	1347940	9-67	1 305 20,370 3.40 693	15 17,220 3.94 678	3-70	36	829	-.05	22	40
23-09-0144	6684337	1347940	1-67	1 305 20,930 3.58 749	12 16,680 3.72 620	9-69	36	907	-.02	30	48
23-09-0144	6973977	1347940	3-67	1 305 21,400 3.39 726	13 16,400 3.84 629	7-69	36	961	-.04	28	48
23-09-0144	6987293	1347940	9-67	1 305 21,440 3.30 707	12 16,550 3.68 609	10-69	36	953	-.04	28	48
23-09-0145	6725505	1347940	11-66	1 298 20,630 3.41 704	12 15,780 3.59 566	12-68	36	945	-.02	31	50
23-09-0147	7153190	1399824	10-66	1 305 15,750 4.67 735	8 14,190 3.92 556	1-70	36	514	.09	31	39
23-09-0151	6193581	1320310	9-64	3 305 15,817 3.94 623	18 14,237 3.80 541	11-69	42	790	-.02	26	42
23-09-0151	6272886	1320310	2-65	3 304 15,457 3.98 615	22 13,750 3.91 537	10-69	42	799	-.03	25	41
23-09-0151	6426168	1320310	6-65	3 305 17,090 3.55 607	21 14,030 3.81 534	2-70	42	960	-.06	25	46
23-09-0151	6426170	1320310	8-65	3 305 15,567 3.72 579	21 14,007 3.78 530	2-70	42	785	-.04	22	39
23-09-0151	6426171	1320310	9-65	3 305 16,553 3.56 590	23 13,947 3.84 535	12-69	42	906	-.07	23	43
23-09-0151	6596709	1320310	9-65	3 305 17,460 3.86 674	22 13,883 3.85 534	12-69	42	1,019	-.03	32	53
23-09-0151	6596711	1320310	11-65	2 305 16,675 3.52 587	16 13,750 3.87 532	10-69	40	920	-.08	22	42
23-09-0151	6596716	1320310	2-66	2 305 17,620 3.64 641	17 13,645 3.88 530	9-69	40	1,026	-.06	28	50
23-09-0151	6596718	1320310	2-66	2 305 17,805 3.80 676	11 12,860 3.92 504	8-69	40	1,117	-.04	34	57
23-09-0151	6802806	1320310	11-66	2 301 17,445 3.63 633	19 14,155 3.84 544	11-69	40	961	-.06	26	47
23-09-0301	5172661	1320310	5-60	3 305 19,160 3.56 682	17 15,003 3.58 537	3-70	42	1,099	-.04	33	56
23-09-0301	5979698	1320310	9-63	4 305 18,243 3.15 574	23 14,895 3.57 532	1-70	43	1,017	-.10	21	44
23-09-0301	5979699	1320310	9-63	4 303 17,503 3.58 626	24 15,268 3.54 540	1-70	43	884	-.04	26	45
23-09-0301	6374775	1454185	8-65	3 304 18,080 3.74 677	19 13,473 3.67 495	9-69	31	739	.04	32	46
23-09-0301	6392092	1320310	7-65	3 305 16,373 3.81 624	29 14,600 3.58 522	12-69	42	817	-.01	28	44
23-09-0301	6392093	1320310	9-65	3 305 17,217 3.51 604	29 14,600 3.58 522	12-69	42	915	-.05	26	45
23-09-0301	6411503	1454185	11-65	3 305 19,103 3.61 690	13 15,720 3.56 559	4-70	31	602	.03	26	37
23-09-0301	6583547	1320310	3-66	2 305 17,680 3.25 575	23 13,545 3.73 505	9-69	40	1,041	-.10	23	46
23-09-0306	6194548	1320310	8-64	3 305 17,037 3.63 618	22 15,010 3.81 572	6-69	42	851	-.06	22	40
23-09-0306	6194549	1320310	9-64	3 294 16,483 4.06 670	22 14,263 3.76 536	7-69	42	865	.01	32	49
23-09-0306	6218010	1320310	9-64	4 305 17,850 3.70 661	27 15,483 3.73 578	3-70	43	903	-.04	27	46
23-09-0306	6218011	1320310	9-64	3 305 20,597 3.98 819	25 15,010 3.80 570	9-69	42	1,266	.00	46	71
23-09-0306	6232196	1320310	10-64	3 305 19,247 3.67 707	19 15,547 3.70 576	4-69	42	1,053	-.04	32	54
23-09-0306	6232198	1320310	11-64	4 305 18,098 3.61 653	21 15,303 3.70 566	2-70	43	954	-.05	27	47
23-09-0306	6232200	1320310	11-64	3 301 16,627 3.48 578	20 14,643 3.71 543	4-69	42	842	-.07	20	38
23-09-0306	6232202	1320310	11-64	4 300 17,953 3.58 643	22 15,328 3.71 568	2-70	43	933	-.06	25	45
23-09-0306	6232203	1320310	12-64	3 301 15,047 3.95 594	18 13,057 3.75 490	6-69	42	824	-.01	28	45
23-09-0306	6430372	1320310	7-65	3 305 17,573 3.78 665	20 15,037 3.68 554	3-70	42	911	-.03	29	48
23-09-0306	6430374	1320310	9-65	3 305 18,993 3.46 658	31 15,513 3.73 578	1-70	42	1,026	-.07	26	48
23-09-0306	6870417	1399824	3-67	1 305 20,930 3.55 744	33 14,530 3.76 547	11-69	36	877	.00	32	49
23-09-0306	6916937	1399824	8-67	1 305 17,910 3.84 688	33 14,530 3.76 547	11-69	36	652	.03	28	40
23-09-0306	6938923	1399824	8-67	1 305 17,270 3.89 672	33 14,530 3.76 547	11-69	36	604	.03	26	37
23-09-0310	5958999	1420076	10-63	4 305 21,493 3.71 798	15 17,138 3.82 655	9-69	32	749	.00	27	42
23-09-0310	6314435	1242221	6-65	3 305 22,027 3.42 753	18 17,493 3.84 671	11-69	41	1,230	-.06	35	61
23-09-0310	6344543	1242221	7-65	3 305 18,960 3.89 737	17 17,023 3.78 644	1-70	41	917	.02	36	54
23-09-0310	6763030	1458744	1-67	2 305 21,820 3.24 707	19 17,170 3.76 646	1-70	40	1,030	-.08	25	47
23-09-0322	6632924	1347940	8-66	2 286 20,655 3.81 787	15 16,300 3.87 631	12-69	40	1,002	.00	36	56
23-09-0322	6716662	1347940	2-67	1 305 22,260 3.53 785	11 15,890 3.83 609	6-69	36	1,059	-.03	34	56
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TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COV'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C OC O W REPT (%)	MILK (LB)	I N O FAT (%)	E X (LB) OOL- LARS	
23-09-0412	6889338	1347940	5-67	1 305	21,320	3.26	694	11	15,570	3.38	526	8-69	36	1,010	-.03	32	\$ 53
23-09-0415	5884145	1189870	10-61	6 290	17,482	4.03	705	10	13,967	3.99	557	7-69	44	668	.03	28	41
23-09-0415	6327111	1189870	4-63	4 305	20,688	3.50	725	8	15,525	3.88	603	2-70	44	874	-.04	25	43
23-09-0415	6597289	1309574	1-66	2 297	17,335	3.82	662	23	14,055	3.71	522	10-69	40	566	.05	28	38
23-09-0417	6510549	1390131	7-65	3 296	18,160	3.78	687	13	15,836	3.48	551	2-70	40	578	.08	32	42
23-09-0417	6647545	1347940	10-66	1 305	20,390	3.45	704	18	17,050	3.47	592	10-68	36	842	-.01	29	46
23-09-0418	6003948	1390131	6-62	5 305	18,764	3.55	666	21	14,212	3.71	527	3-69	42	880	.01	33	50
23-09-0418	6183902	1316590	9-63	4 302	18,468	3.94	728	27	14,320	3.62	519	12-69	44	527	.07	29	38
23-09-0427	6518672	1330987	3-66	2 305	16,845	3.67	618	25	12,895	3.85	497	10-69	40	714	.03	30	43
23-09-0427	7060467	1347940	4-67	1 305	17,680	3.68	650	28	12,600	3.83	482	10-69	36	938	-.01	32	51
23-09-0431	6467639	1278644	10-65	1 305	20,680	3.00	621	13	14,000	3.44	482	2-70	36	900	-.10	17	37
23-09-0433	4858557	1247880	3-59	7 305	18,699	3.79	708	25	15,751	3.64	573	10-69	36	750	-.01	25	40
23-09-0433	6208730	1189870	2-63	5 302	17,966	3.68	662	14	14,556	3.69	537	3-70	44	662	.01	25	38
23-09-0609	6039400	1189870	12-63	3 305	18,810	4.38	824	10	17,180	3.73	641	1-70	42	446	.10	31	37
23-09-0609	7022043	1244845	9-66	2 305	24,870	3.40	846	11	18,075	3.96	716	2-70	40	960	-.10	19	41
23-09-0802	5220885	1189870	11-60	7 305	19,624	3.39	665	17	14,813	3.65	541	9-69	44	846	-.04	25	43
23-09-0826	5362105	1189870	4-61	7 301	17,133	4.28	733	18	14,537	3.77	548	9-69	44	556	.09	33	42
23-09-0826	5656255	1189870	5-62	5 305	20,344	3.32	675	15	15,458	3.69	571	10-69	44	864	-.06	23	42
23-09-0826	6129394	1320310	8-64	3 305	18,937	3.10	587	23	14,683	3.73	548	8-69	42	1,107	-.13	21	46
23-09-0826	6500149	1347940	12-65	2 305	18,865	3.56	672	15	14,900	3.90	581	12-68	40	948	-.03	29	49
23-09-0828	6488726	1237057	9-65	3 305	21,900	2.98	653	6	15,103	3.69	557	10-69	42	1,082	-.15	16	41
23-09-0829	6447614	1347940	8-65	3 297	18,816	3.52	663	14	16,016	3.83	613	8-69	42	864	-.04	25	43
23-09-0829	6690397	1347940	8-66	2 305	21,055	3.44	724	12	16,495	3.87	638	9-69	40	1,024	-.05	29	51
23-09-0902	5839583	1390131	1-63	5 304	17,282	4.33	749	16	14,924	3.75	560	9-69	42	596	.13	40	49
23-09-0902	6320470	1237057	11-63	4 305	19,668	3.46	680	17	14,938	3.79	566	11-69	44	876	-.08	20	39
23-09-0902	6607298	1347940	10-65	2 305	17,680	3.43	606	17	14,870	3.75	557	3-70	40	830	-.04	24	41
23-09-0902	6910854	1458744	7-67	1 305	22,160	2.62	581	13	14,670	3.61	529	10-69	36	1,122	-.12	23	48
23-09-0902	6943006	1458744	11-66	2 305	17,545	3.52	617	17	15,160	3.65	553	12-69	40	779	-.02	25	41
23-09-0904	5895287	1390131	9-63	4 296	19,415	3.66	711	18	16,007	3.79	606	5-69	41	734	.02	30	44
23-09-0904	6059561	1390131	12-63	5 292	17,720	3.74	662	25	14,932	3.84	573	9-69	42	654	.02	27	39
23-09-0904	6693101	1347940	6-66	2 283	17,855	3.57	638	20	14,825	3.70	548	7-69	40	852	-.02	28	45
23-09-0904	6842825	1347940	11-66	1 305	19,880	3.43	681	15	15,440	3.68	568	12-68	36	912	-.03	29	48
23-09-0904	6842827	1347940	2-67	1 305	19,930	3.32	662	24	15,310	3.72	569	8-69	36	924	-.04	27	46
23-09-0904	6842828	1347940	4-67	1 305	17,060	3.46	591	24	15,310	3.72	569	8-69	36	710	-.02	22	37
23-09-0904	6944373	1347940	11-67	1 293	18,990	3.59	682	14	15,640	3.70	579	1-70	36	832	-.01	28	45
23-09-0906	6605228	1399824	8-66	1 305	15,440	4.46	689	11	13,890	3.69	513	1-69	36	511	.08	30	38
23-09-0906	6833934	1347940	3-67	1 305	18,010	3.38	609	17	13,870	3.73	518	7-69	36	878	-.03	27	45
23-09-0906	6835875	1320310	11-66	1 305	17,250	3.41	589	10	14,440	3.78	546	2-69	35	880	-.07	21	40
23-09-0906	6848967	1399824	8-67	1 305	19,740	3.65	721	34	15,140	3.71	561	11-69	36	747	-.01	29	43
23-09-0908	6652960	1347940	7-66	2 300	17,220	3.61	621	34	15,620	3.78	591	5-69	40	715	-.02	23	38
23-09-0908	6707207	1347940	9-66	2 305	17,580	3.68	647	41	14,975	3.83	573	7-69	40	811	-.02	27	43
23-09-0908	6707208	1347940	9-66	2 297	18,850	3.93	741	45	14,810	3.86	571	7-69	40	955	.02	37	55
23-09-0908	6707209	1347940	9-66	1 305	16,660	3.81	635	38	15,130	3.81	576	7-69	36	693	.00	25	39
23-09-0908	6707211	1347940	10-66	1 305	18,860	3.27	617	28	16,160	3.71	599	4-69	36	787	-.04	22	39
23-09-0908	6707212	1347940	10-66	2 292	18,205	3.31	602	40	14,980	3.90	584	9-69	40	874	-.07	21	40
23-09-0908	6707216	1347940	12-66	1 305	19,400	3.75	727	31	15,590	3.74	583	6-69	36	866	.00	31	48
23-09-0908	6879366	1347940	5-67	1 305	17,960	3.57	641	38	15,170	3.89	590	9-69	36	787	-.03	24	40
23-09-0908	6919938	1347940	7-87	1 305	17,950	3.71	666	31	15,590	3.74	583	6-69	36	758	.00	27	42
23-09-0908	6970057	1347940	9-67	1 300	22,610	3.48	786	34	15,330	3.91	599	10-69	36	1,122	-.04	34	57
23-09-0908	6970058	1347940	9-67	1 305	20,760	3.73	775	31	15,820	3.83	606	12-69	36	952	-.01	33	52
23-10-0010	6428769	1309574	9-65	3 303	21,090	3.46	729	10	15,320	3.75	575	11-69	42	904	-.01	31	49
23-10-0010	6702809	1399824	9-67	1 305	20,250	4.00	809	8	16,950	3.71	629	1-69	36	664	.05	31	43
23-10-0024	6004925	1427615	7-63	4 305	19,045	3.68	700	10	14,612	3.91	572	3-69	43	1,039	-.09	24	47
23-10-0030	6154344	1415405	2-64	4 305	21,145	3.53	746	19	15,368	3.70	568	3-70	43	942	-.05	27	47
23-10-0030	6419672	1441440	2-65	3 286	17,976	3.49	627	19	14,893	3.62	539	8-69	42	758	-.01	26	41
23-10-0030	6755902	1458744	11-66	1 305	19,420	4.10	796	28	14,940	3.59	537	7-69	36	899	.04	38	55
23-10-0030	6755905	1330987	12-66	1 303	19,240	3.34	642	28	14,950	3.63	543	7-69	36	672	.01	26	39
23-10-0030	6962661	1399824	8-67	1 305	19,100	3.62	692	15	15,680	3.60	564	11-69	36	664	.02	27	40
23-10-0045	5549199	1244845	3-62	4 294	22,513	3.47	782	15	16,450	3.69	607	6-69	44	995	-.06	27	48
23-10-0045	6776804	1458744	9-66	2 299	18,360	3.44	632	11	16,200	3.50	567	12-69	40	767	-.02	25	41
23-10-0045	6828270	1399824	1-67	1 305	19,600	4.13	810	5	17,230	3.64	628	6-69	36	597	.07	31	41
23-10-0050	5729691	119686	10-62	5 303	17,422	4.11	716	7	12,780	4.11	525	4-69	44	577	.07	31	41
23-10-0061	6522666	1441440	9-65	2 175	16,605	3.60	598	8	12,955	3.77	488	8-69	8	764	.00	27	42
23-10-0061	6797576	1399824	7-66	1 301	16,530	4.24	701	10	13,980	3.85	538	1-70	36	586	.05	29	39
23-10-0061	6799267	1320310	11-66	1 305	19,810	3.35	664	13	12,120	3.72	551	9-69	35	1,231	-.08	33	59
23-10-0080	5779317	1396768	12-62	4 302	22,723	3.82	869	31	17,318	3.74	648	10-69	43	880	.02	34	51
23-10-0080	5991361	1415405	9-63	3 305	25,060	3.75	940	21	17,403	3.72	648	4-69	42	1,142	-.01	40	63
23-10-0080	6066318	1415405	3-64	4 305	22,825	4.04	921	31	16,875	3.71	626	12-69	43	983	.05	43	61
23-10-0080	6837228	1471162	6-66	2 301	20,375	3.78	771	27	16,025	3.69	592	8-69	29	651	.02	26	38
23-10-0080	6837240	1399824	11-66	2 305	21,075	3.90	822	22	17,225	3.65	629	12					

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	MILK (L8)	FAT (%)	FAT (L8)	.....I N D E X..... OOL- LARS		
23-14-0005	6311079	1273756	4-65	2 305	17,865	4.09	730	37	15,105	3.76	568	8-69	40	627	.07	33	\$ 44
23-14-0005	6393236	1347940	9-65	3 303	19,160	3.99	765	37	15,793	3.75	593	11-69	42	926	.04	39	56
23-14-0005	6527220	1347940	3-66	2 305	20,355	3.97	808	34	14,650	3.77	553	10-69	40	1,122	.03	45	66
23-14-0005	6560492	1347940	2-66	2 305	19,390	4.01	777	32	14,800	3.76	556	3-70	40	1,010	.04	42	61
23-14-0005	6715950	1348259	9-66	2 305	19,585	3.68	721	35	15,475	3.78	585	12-69	40	774	.00	28	43
23-14-0005	6722918	1289586	1-67	1 305	20,870	3.96	827	40	14,910	3.78	564	4-69	35	660	.01	25	38
23-14-0005	6837661	1348259	12-66	1 301	21,570	3.52	759	37	13,850	3.83	530	6-69	36	938	-.01	32	51
23-14-0020	5091358	1046259	12-59	6 305	21,368	3.63	776	19	16,203	3.65	592	10-69	44	696	-.01	23	37
23-14-0020	5438972	1347940	5-61	6 302	17,565	4.04	710	11	15,511	3.66	567	10-68	44	784	-.06	37	51
23-14-0020	6738977	1347940	10-66	1 305	19,690	3.50	690	19	16,840	3.68	619	10-68	36	804	-.02	26	42
23-14-0024	6657613	1347940	9-66	2 305	19,740	4.08	806	26	16,650	3.84	640	2-70	40	877	.04	37	53
23-14-0026	5964928	1427615	12-63	3 305	18,153	3.96	718	39	15,233	3.89	592	9-69	42	845	-.05	23	41
23-14-0026	6261997	1300014	6-64	3 305	19,340	3.86	746	25	15,063	3.91	589	6-69	42	777	-.05	20	37
23-14-0026	6497640	1320310	8-65	3 296	16,823	3.60	605	29	14,897	3.82	569	1-70	42	838	-.06	21	39
23-14-0032	5918358	1352270	9-63	4 305	21,212	3.71	786	10	14,692	3.93	578	3-70	34	976	-.02	32	52
23-14-0032	6295629	975138	1-65	3 305	19,940	4.16	829	16	13,920	3.91	544	1-70	42	921	.02	36	54
23-14-0047	6710066	1347940	7-66	2 305	22,400	3.21	718	28	16,405	3.60	590	11-69	40	1,169	-.06	33	58
23-14-0047	6710067	1347940	7-66	2 296	18,300	3.68	673	26	15,515	3.57	554	9-69	40	834	.01	31	47
23-14-0047	6710068	1347940	10-66	1 305	20,690	3.31	684	25	16,780	3.53	593	11-68	36	882	-.03	27	45
23-14-0047	6710070	1447750	8-66	2 285	19,910	3.75	746	31	16,165	3.57	577	9-69	38	737	.02	29	43
23-14-0047	6974244	1347940	8-67	1 298	20,960	3.70	776	21	16,550	3.61	597	12-69	36	918	.01	34	52
23-14-0053	6791547	1458744	7-66	2 305	16,460	3.97	653	13	13,475	3.96	533	8-69	40	823	.00	30	46
23-14-0053	7122106	1458744	1-68	1 305	19,700	3.60	710	14	15,870	3.76	596	1-70	36	858	-.02	28	46
23-14-0066	6252229	1347940	12-64	4 301	19,900	3.34	665	15	16,480	3.53	581	2-70	44	959	-.04	29	49
23-14-0066	6638285	1347940	10-66	2 286	18,640	3.43	639	11	16,250	3.45	560	9-69	40	802	-.01	27	43
23-14-0073	6678607	1347940	3-66	2 305	17,915	3.82	685	8	14,445	3.81	550	2-70	40	893	.01	33	51
23-14-0073	6891706	1347940	8-67	1 305	19,220	3.55	683	13	15,560	3.84	597	11-69	36	854	-.03	27	45
23-14-0130	6141374	1347940	10-64	4 303	22,140	3.64	807	10	15,612	3.72	581	12-69	44	1,333	-.01	47	74
23-14-0130	6250166	1347940	3-65	3 288	16,980	3.53	599	12	15,463	3.64	563	5-69	42	710	-.02	23	38
23-14-0130	6365506	1347940	9-65	2 305	17,110	3.90	667	7	15,550	3.68	572	11-69	40	710	.02	29	42
23-14-0130	6533079	1347940	12-65	2 305	18,455	3.51	647	10	15,255	3.76	573	2-69	40	874	-.03	27	45
23-14-0130	6718904	1347940	1-67	2 304	19,705	3.54	698	8	16,435	3.73	613	1-70	40	893	-.03	28	46
23-14-0130	6718905	1347940	2-67	1 305	18,760	3.76	706	5	15,740	3.73	587	5-69	36	808	.00	29	45
23-14-0130	6873734	1347940	7-67	1 305	19,940	3.36	670	6	17,100	3.68	630	11-69	36	805	-.03	24	41
23-14-0152	6306584	1347940	12-64	3 305	16,156	3.71	600	9	13,210	3.65	482	3-69	42	848	.00	31	48
23-14-0152	6735123	1347940	12-66	1 305	16,140	3.79	612	17	12,570	3.71	466	10-69	36	826	.00	30	46
23-14-0157	6232384	1382261	1-65	3 305	20,423	3.69	754	22	15,567	3.77	587	2-69	42	689	.01	26	39
23-14-0157	6243630	1189870	3-63	2 305	17,360	4.52	784	28	15,565	3.73	581	7-69	40	428	.11	31	37
23-14-0164	5359807	1179372	4-61	4 305	19,938	3.64	725	10	16,178	3.58	579	2-70	44	700	.02	28	41
23-14-0164	5995242	1287089	6-63	3 302	22,103	3.67	811	14	16,433	3.68	604	3-69	42	682	.03	29	42
23-14-0164	6139279	1179372	6-64	4 305	19,008	3.97	755	11	15,763	3.57	562	2-70	44	631	.07	33	44
23-14-0164	6436520	1179372	7-65	3 305	20,150	3.48	701	16	16,120	3.56	574	11-69	42	702	.00	25	39
23-14-0165	6161124	1347940	10-64	4 305	16,527	3.39	560	6	13,197	3.73	492	1-70	44	908	-.05	26	45
23-14-0165	6399676	1347940	11-65	3 305	17,390	3.66	637	6	13,520	3.65	494	2-70	42	958	.00	34	53
23-14-0165	6606718	1347940	6-66	1 305	16,280	3.84	625	5	14,060	3.74	526	1-69	36	736	.00	27	42
23-14-0165	6708749	1347940	1-67	1 305	16,060	3.83	615	7	13,640	3.83	523	3-70	36	748	.00	27	42
23-14-0165	6715413	1347940	10-66	2 298	15,705	4.08	640	7	13,215	3.67	485	9-69	40	781	.04	34	48
23-14-0165	6789320	1347940	1-67	1 305	16,940	3.35	568	5	13,570	3.56	483	2-69	36	818	-.02	26	43
23-14-0165	6874314	1347940	9-67	1 305	15,350	3.83	588	7	13,640	3.83	523	3-70	36	695	.00	25	39
23-14-0165	6987970	1347940	11-67	1 305	16,680	3.96	660	7	13,640	3.83	523	3-70	36	794	.01	30	46
23-14-0167	5287566	1189870	10-60	7 299	17,544	3.48	611	12	13,006	3.69	480	12-69	44	787	-.02	25	41
23-14-0167	6550548	1347940	5-66	2 289	15,490	3.63	562	23	13,315	3.61	481	5-69	40	750	.00	27	42
23-14-0167	6882574	1239242	6-67	1 305	19,780	3.58	708	21	13,770	3.64	501	11-69	36	731	-.01	25	40
23-14-0167	6882581	1347940	2-67	2 274	16,930	3.34	565	25	13,630	3.71	506	2-70	40	868	-.04	25	43
23-14-0179	6315451	1347940	12-64	3 297	16,423	3.88	637	8	12,330	3.66	451	2-69	42	970	.03	39	58
23-14-0179	6609833	1347940	3-66	3 275	15,490	3.89	603	8	13,040	3.70	483	12-69	42	789	.02	31	46
23-14-0181	5531727	1347940	2-62	6 305	19,383	3.57	692	8	17,026	3.73	635	9-69	44	843	-.03	26	43
23-14-0181	6275979	1175471	11-64	4 305	21,533	3.70	797	19	17,835	3.80	678	10-69	43	631	.02	26	38
23-14-0181	6674737	1347940	9-66	2 305	19,385	3.81	739	18	17,385	3.73	649	9-69	40	774	.01	29	44
23-14-0185	5642492	1189870	8-62	5 301	18,316	4.51	826	25	16,332	3.98	650	9-69	44	501	.10	33	40
23-14-0185	6291798	1321904	4-65	3 305	20,467	3.67	752	32	15,460	4.01	620	10-69	42	801	-.04	23	40
23-14-0202	5971518	1347940	11-63	4 303	20,725	3.49	723	13	16,432	3.63	597	11-68	44	1,067	-.02	35	57
23-14-0202	6181512	1347940	8-64	3 305	18,420	3.30	607	16	15,330	3.52	539	7-69	42	889	-.04	26	45
23-14-0202	6672532	1347940	9-66	2 305	17,400	3.21	558	19	14,760	3.53	521	8-69	40	812	-.04	23	40
23-14-0202	6891338	1347940	6-67	1 305	16,580	3.66	606	18	14,990	3.63	544	7-69	36	696	.00	25	39
23-14-0213	6613032	1347940	7-66	1 305	15,780	3.64	575	20	12,240	3.63	444	9-68	36	821	.00	29	45
23-14-0213	6649665	1347940	8-66	1 305	16,890	3.56	601	17	12,310	3.72	458	12-68	36	899	-.02	30	48
23-14-0213	6649667	1347940	9-66	1 305	21,110	3.90	824	18	12,560	3.81	478	1-69	36	1,196	.01	45	68
23-14-0213	6789910	1347940	9-66	2 291	19,215	3.50	673	7	14,695	3.78	555	3-70	40	1,002	-.03	31	52
23-14-0213	6789911	1347940	9-66	1 305	15,830	3.97	629	14	12,790	3.86	494	2-69	36	788	.01	30	

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HERDMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST CALVO MO-YR	T C REPT O (%)	.....C O W MILK (LBS)	I N O E X..... FAT (%)	FAT (LBS)	OOD- LARS		
23-14-0215	6759270	1347940	10-66	1 305	20,920	3.49	730	9	15,680	3.61	566	5-69	36	973	-.02	32	\$ 52
23-14-0219	5663430	1347940	10-62	2 305	15,490	3.78	586	16	13,610	3.73	508	11-69	40	723	.01	27	41
23-14-0219	5941280	1347940	10-63	2 297	15,980	3.90	624	21	13,365	3.71	496	9-69	40	795	.02	32	47
23-14-0225	5750762	1396768	1-63	3 305	21,970	3.59	788	20	14,303	3.61	517	9-69	42	1,066	-.02	36	58
23-14-0225	6930560	1383311	9-66	2 291	19,895	3.16	629	36	13,875	3.55	493	12-69	40	840	-.08	19	38
23-14-0225	6964224	1458744	11-67	1 305	16,530	3.39	561	31	14,450	3.55	513	1-70	36	717	-.03	22	37
23-14-0226	6569513	1417208	11-65	3 290	17,580	3.58	629	14	13,470	3.56	479	12-69	42	862	.01	32	49
23-14-0237	7029608	1458744	7-67	1 305	18,180	3.51	638	14	14,260	3.65	521	10-69	36	853	-.02	28	45
23-14-0237	7029611	1387978	2-68	1 305	19,990	3.42	683	9	16,160	3.66	591	2-70	35	725	-.03	22	37
23-14-0251	6192443	1239242	10-64	3 299	17,727	4.32	765	24	15,687	3.75	588	10-68	42	513	.08	30	38
23-14-0253	6633622	1347940	8-66	2 305	16,765	3.56	597	17	12,685	3.82	484	2-70	40	937	-.03	30	49
23-14-0265	6592281	1347940	3-66	2 305	20,315	3.33	676	13	16,610	3.67	609	1-70	40	939	-.05	27	47
23-14-0265	6835720	1347940	2-67	1 296	18,780	3.49	655	14	16,400	3.63	596	10-69	36	765	-.02	25	41
23-14-0265	6835721	1347940	3-67	1 305	21,270	3.18	677	13	16,920	3.65	617	12-69	36	916	-.05	25	45
23-14-0265	7019056	1347940	11-67	1 305	19,610	3.18	623	14	16,400	3.63	596	10-69	36	827	-.05	23	41
23-14-0271	5531608	1244845	3-62	3 305	19,800	3.38	669	16	13,817	3.73	515	2-70	42	907	-.07	22	42
23-14-0271	5575339	1347940	3-62	6 293	15,170	3.65	553	12	13,506	3.73	504	8-69	44	708	-.01	24	38
23-14-0273	5843044	1244009	7-63	4 305	20,493	3.45	706	30	16,768	3.76	630	3-69	44	908	-.08	21	41
23-14-0273	6440238	1347940	11-65	2 305	20,395	3.74	762	28	16,545	3.89	643	5-69	40	953	-.02	32	51
23-14-0273	6524487	1347940	3-66	2 305	21,505	3.87	833	38	16,825	3.89	654	10-69	40	1,040	.00	38	59
23-14-0273	6558777	1347940	5-66	2 305	19,615	3.50	687	36	16,550	3.86	639	9-69	40	873	-.04	25	43
23-14-0273	6586153	1347940	8-66	2 305	19,155	3.90	748	39	16,760	3.90	653	10-69	40	807	.01	30	46
23-14-0273	6865418	1347940	9-67	1 305	20,010	3.66	732	39	16,900	3.85	650	10-69	36	823	-.02	27	44
23-14-0273	6954216	1347940	8-67	1 305	21,580	3.37	728	39	16,900	3.85	650	10-69	36	940	-.05	27	47
23-14-0273	7156469	1387978	6-68	1 305	20,280	4.31	875	26	18,050	3.76	679	3-70	35	617	.06	31	42
23-14-0288	6204608	1294703	9-64	3 305	17,967	3.44	618	5	14,253	3.58	510	5-69	42	819	-.05	22	40
23-15-0014	5309458	1189870	10-60	6 305	21,042	4.10	862	12	15,022	3.84	577	12-69	44	1,034	.07	46	64
23-15-0014	5668506	1189870	2-62	3 280	18,280	4.27	780	9	15,107	4.08	616	4-69	42	600	.05	29	40
23-15-0100	6924806	1399824	7-67	1 305	18,510	4.05	750	6	15,860	3.63	576	2-70	36	607	.06	30	41
23-15-0112	6713947	1320310	5-66	2 305	15,825	3.68	583	18	14,185	3.79	538	11-69	40	793	-.05	21	38
23-15-0122	5439995	1189870	9-61	6 304	18,758	3.85	722	42	14,920	3.85	575	1-70	44	721	.01	28	42
23-15-0122	5781274	1189870	1-63	5 302	17,218	4.24	730	36	14,972	3.89	582	12-69	44	517	.06	28	37
23-15-0122	6166696	1320310	9-64	3 305	16,907	4.55	769	73	14,437	3.90	563	12-69	42	896	.05	40	56
23-15-0122	6173195	1337741	5-64	2 302	17,795	3.81	678	73	14,180	3.89	552	8-69	40	686	.01	26	39
23-15-0122	6711934	1309574	10-66	1 305	18,340	4.23	775	43	14,500	3.95	573	6-69	36	538	.07	29	38
23-15-0122	6711935	1309574	10-66	1 305	19,710	3.55	699	43	14,500	3.95	573	6-69	36	640	.01	24	37
23-15-0122	6711965	1320310	9-66	1 280	19,490	3.75	731	45	14,670	3.95	579	6-69	35	1,034	-.06	29	51
23-15-0122	6711966	1320310	10-66	1 305	25,450	2.99	760	65	16,520	3.84	634	12-69	35	1,358	-.14	28	58
23-15-0218	6142281	1189870	3-62	5 303	21,040	3.65	767	14	15,918	3.73	594	12-69	44	900	.00	32	50
23-15-0218	6194859	1393175	7-64	4 305	23,765	3.44	817	18	15,688	3.81	598	11-69	32	1,207	-.08	32	58
23-15-0231	5586796	1189870	8-61	5 303	19,126	4.17	797	20	15,060	3.85	580	4-69	44	753	.07	37	50
23-15-0231	6235556	1320310	9-64	2 300	18,290	3.60	658	20	15,540	3.93	611	1-70	40	920	-.08	22	42
23-15-0231	6727197	1309574	5-66	2 305	17,945	4.15	744	17	15,440	3.85	595	4-70	40	502	.08	29	37
23-15-0231	6727204	1399824	5-66	2 305	19,825	3.40	674	30	15,135	3.79	573	11-69	40	860	-.03	27	45
23-15-0240	6534288	1320310	8-64	4 305	18,070	3.67	664	9	15,040	3.90	587	4-70	43	980	-.06	26	47
23-15-0240	6609629	1337741	4-65	3 305	18,017	3.57	644	12	14,137	3.98	562	8-69	42	760	-.04	22	38
23-15-0258	5193397	1259547	8-60	6 284	20,072	3.58	719	5	14,635	3.96	579	4-69	40	954	-.09	21	42
23-15-0258	6609506	1441440	8-66	2 305	19,335	3.82	739	17	15,705	3.90	613	10-69	40	790	.01	30	45
23-15-0288	5891748	1390671	8-61	2 305	22,720	3.43	779	9	15,620	3.68	575	9-68	25	920	-.04	27	46
23-15-0295	5517841	1373928	11-61	6 303	20,870	3.99	832	14	17,540	3.72	652	3-70	34	704	.07	36	48
23-15-0295	5517844	1373928	1-62	7 298	20,661	3.93	812	9	17,833	3.64	649	11-69	34	632	.07	33	44
23-15-0295	5753321	1399824	10-62	4 305	23,850	3.45	824	17	17,597	3.72	655	12-68	44	1,169	-.03	37	61
23-15-0295	6206284	1320310	8-64	4 303	22,025	3.64	801	24	17,320	3.74	648	11-69	43	1,217	-.05	36	61
23-15-0296	5577632	1189870	3-62	2 301	19,840	3.66	727	10	15,160	3.79	574	5-69	40	717	-.01	25	39
23-15-0334	6441603	1347940	4-65	3 305	17,013	3.74	637	11	15,030	3.73	560	1-70	42	758	.00	27	42
23-15-0334	6486421	1347940	1-66	2 305	15,635	3.68	576	8	14,000	3.70	518	7-69	40	702	.00	25	39
23-15-0334	6752577	1347940	7-66	1 305	17,500	3.16	553	16	11,360	3.42	388	10-69	36	1,008	-.04	31	52
23-15-0334	6943602	1386406	1-68	1 305	19,820	3.20	635	15	13,630	3.72	507	1-70	36	788	-.04	23	40
23-15-0338	5761097	1189870	1-63	4 305	20,218	3.67	741	13	15,243	3.75	572	6-69	44	847	.00	30	47
23-15-0338	6176688	1320310	7-64	4 241	18,520	3.73	691	15	15,783	3.67	579	1-70	43	952	-.03	30	50
23-15-0338	6451868	1320310	10-65	2 305	18,500	3.67	679	16	15,405	3.73	574	3-69	40	954	-.04	28	48
23-15-0338	6477331	1320310	10-65	3 305	18,487	3.67	679	17	15,973	3.66	584	1-70	42	919	-.03	28	47
23-15-0341	5317992	1010936	2-61	5 305	18,960	3.75	711	16	15,586	3.80	593	8-69	44	632	.02	26	38
23-15-0341	5481286	1230640	1-62	6 305	21,053	4.51	949	13	17,132	3.89	667	3-70	44	581	.12	39	47
23-15-0341	6178897	1239242	11-64	4 305	21,988	3.56	782	20	17,088	3.92	669	3-70	44	896	-.06	24	43
23-15-0341	6497008	1239242	1-66	2 305	20,745	3.68	764	10	16,490	3.77	621	8-69	40	725	-.01	24	39
23-15-0341	6513819	1239242	11-65	2 305	23,770	3.38	803	16	17,655	3.73	658	5-69	40	926	-.06	25	45
23-15-0341	6803181	1239242	12-66	1 305	22,910	3.51	803	17	17,390	3.73	649	3-69	36	721	-.03	22	37
23-15-0344	5577814	1189870	1-62	5 291	20,198	3.92	792	15	16,782	3.80	638	9-69	44	691	.03	30	43
23-15-0344	6489724	1347940	1-66	2 305	20,330	3.72	756	27	17,380	3.81	663	10-69</					

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO.	AVERAGES MILK (L8)	FAT (%)	FAT (L8)	LAST CALV MO-YR	T C OC Q W REPT (%)	MILK (L8)	I N O E X FAT (%)	FAT (L8) OOL- LARS
23-15-0416	6538847	1399824	2-65	3 299	16,913	3.66	619	17	13,183	3.95	521	6-69	42	780	-.01	27	\$ 43	
23-15-0416	6555803	1399824	11-65	3 305	17,823	3.87	689	17	14,770	3.94	582	12-69	42	720	-.01	28	42	
23-15-0420	6328639	1189870	7-63	4 305	17,940	3.86	692	17	14,178	3.92	556	10-69	44	684	-.01	26	39	
23-15-0420	6350226	1320310	8-64	4 266	16,258	3.78	615	19	14,323	3.93	563	8-69	43	834	-.05	22	40	
23-15-0420	6350227	1320310	8-64	4 291	18,268	3.82	698	15	14,213	3.87	550	11-69	43	1,097	-.04	34	57	
23-15-0420	6823588	1441440	9-65	3 291	16,376	3.98	652	18	14,430	3.91	564	7-69	42	621	-.03	27	39	
23-15-0423	6827723	1386406	1-67	1 305	20,150	3.50	706	6	14,960	3.74	560	6-69	36	723	-.01	25	40	
23-15-0433	5853811	1189870	8-61	4 302	19,288	3.59	693	25	14,780	3.71	548	11-68	44	784	-.01	27	43	
23-15-0443	6799556	1347940	3-67	1 305	17,830	3.89	694	18	15,010	4.03	605	9-69	36	788	-.01	27	43	
23-15-0457	5412146	1189870	8-60	7 279	17,683	4.19	741	17	15,081	3.75	565	2-70	44	564	-.08	32	41	
23-15-0457	6854608	1406271	10-66	2 305	20,555	3.66	752	13	16,480	3.81	628	3-70	40	871	-.02	34	51	
23-15-0461	5034535	1085978	10-59	8 300	18,373	3.66	672	20	15,061	3.71	559	9-69	44	863	-.02	28	46	
23-15-0461	6610897	1347540	9-66	1 305	21,650	3.58	775	11	17,030	3.79	646	12-68	36	937	-.03	30	49	
23-15-0478	5712894	1189870	9-62	5 291	16,114	4.66	751	15	14,160	3.82	541	12-68	44	469	-.13	36	42	
23-15-0478	6046819	1316590	11-63	4 305	23,575	3.32	783	26	15,005	3.71	557	3-70	44	1,082	-.05	31	54	
23-15-0478	6477982	1347940	2-66	2 305	17,265	3.58	618	40	14,410	3.62	521	8-69	40	830	-.01	29	46	
23-15-0478	6627923	1347940	5-65	1 305	20,170	3.38	682	30	15,310	3.58	548	12-69	36	942	-.03	30	49	
23-15-0478	6652567	1347940	8-66	1 305	18,950	3.09	585	38	14,250	3.64	519	9-69	36	922	-.06	25	45	
23-15-0478	6652570	1347940	10-66	1 305	18,050	3.25	586	41	14,130	3.60	508	8-69	36	863	-.03	26	44	
23-15-0478	6664096	1347940	12-66	1 305	19,350	3.51	680	39	14,010	3.68	515	2-69	36	968	-.02	32	52	
23-15-0478	6865635	1347940	5-67	1 305	22,790	3.01	687	35	14,600	3.63	530	11-69	36	1,185	-.07	32	57	
23-15-0478	6865637	1347940	6-67	1 305	19,060	3.36	641	39	14,530	3.64	529	10-69	36	912	-.03	28	47	
23-15-0481	5462697	1189870	10-61	5 302	15,960	4.24	677	7	13,314	3.88	517	1-70	44	547	-.06	29	38	
23-15-0507	5008012	1189870	8-59	7 303	19,906	4.37	870	15	16,259	3.91	635	10-68	44	714	-.10	40	52	
23-15-0507	6015621	1189870	10-63	5 301	18,942	3.75	711	18	15,762	3.81	601	7-69	44	647	-.00	24	37	
23-15-0507	6497845	1399824	11-65	3 305	19,856	3.90	775	8	17,346	3.90	676	3-70	42	688	-.03	29	42	
23-15-0507	6497846	1399824	12-65	2 305	21,540	3.84	827	8	17,890	4.04	722	1-69	40	783	-.01	29	44	
23-15-0507	6921572	1347540	9-67	1 305	21,760	4.26	927	21	16,830	3.96	667	10-69	36	959	-.04	40	58	
23-15-0507	6921574	1347940	11-67	1 305	22,960	3.68	845	17	17,310	3.96	686	11-69	36	1,016	-.02	33	54	
23-15-0507	6921575	1399824	9-67	1 305	21,290	3.80	808	22	16,290	3.92	639	8-69	36	786	-.01	30	45	
23-15-0515	5451020	1189870	11-61	5 303	19,234	4.23	814	13	15,198	3.80	578	9-69	44	751	-.09	40	53	
23-15-0515	6269851	1320310	8-64	4 305	18,668	3.34	624	20	14,925	3.74	558	7-69	43	1,067	-.10	24	48	
23-15-0515	6292786	1320310	9-64	4 304	19,348	3.46	670	19	14,733	3.73	549	8-69	43	1,173	-.07	31	56	
23-15-0517	6235831	1320310	10-64	3 305	16,627	3.27	544	24	14,160	3.74	529	10-68	42	893	-.10	18	38	
23-15-0517	6581597	1320310	6-65	2 305	16,825	3.72	626	21	14,460	3.71	536	10-68	40	870	-.04	26	44	
23-15-0517	6769625	1320310	10-66	1 305	20,310	3.15	640	17	14,920	3.71	553	11-68	35	1,079	-.10	24	48	
23-15-0523	5545259	1189870	1-62	5 301	18,234	4.33	790	17	15,078	3.83	578	2-70	44	636	-.10	37	47	
23-15-0523	5998968	1420347	10-62	5 302	19,662	3.58	704	12	14,260	3.98	567	1-70	35	1,009	-.07	26	48	
23-15-0528	5609938	1085978	4-62	3 278	17,537	3.79	664	16	14,357	3.59	516	8-69	42	808	-.01	30	46	
23-15-0528	6151288	1237057	11-64	3 305	17,863	3.85	688	13	14,133	3.73	527	11-69	42	718	-.01	24	39	
23-15-0553	5538772	1270143	2-62	4 305	18,438	3.86	711	21	14,813	3.59	532	12-68	44	537	-.06	28	37	
23-15-0553	6714243	1244845	6-65	2 305	18,950	3.97	753	19	14,990	3.65	547	3-69	40	641	-.01	25	37	
23-15-0553	7101497	1309574	7-67	1 305	18,050	4.17	753	19	13,730	3.69	507	7-69	36	568	-.08	32	41	
23-15-0561	6492717	1441440	8-65	2 304	17,820	4.06	724	7	15,760	3.65	576	2-69	40	630	-.06	32	43	
23-15-0569	6762315	1399824	6-66	1 305	24,110	3.46	834	9	14,800	3.63	537	4-69	36	1,096	-.00	39	61	
23-15-0570	6385107	1337741	8-65	2 305	22,550	3.33	750	12	18,190	3.68	670	10-68	40	803	-.05	22	39	
23-15-0579	5878142	1424319	8-63	2 305	22,690	3.20	726	109	15,100	3.45	521	9-68	25	975	-.06	26	47	
23-15-0579	6203295	1320310	10-64	3 290	20,513	2.92	598	40	16,057	3.44	552	1-69	42	1,147	-.13	22	48	
23-15-0579	6203296	1320310	10-64	3 302	20,113	3.34	671	31	15,493	3.50	542	4-69	42	1,159	-.07	31	56	
23-15-0579	6203298	1320310	10-64	3 302	18,553	3.40	630	58	15,230	3.46	527	9-69	42	1,005	-.06	28	49	
23-15-0579	6203301	1320310	10-64	3 305	18,677	3.15	589	37	15,010	3.42	513	7-69	42	1,042	-.08	25	48	
23-15-0579	6203302	1320310	11-64	3 303	17,897	3.26	584	30	15,603	3.47	542	4-69	42	889	-.07	21	40	
23-15-0579	6203304	1320310	11-64	3 305	19,357	3.24	627	38	15,483	3.43	531	6-69	42	1,072	-.08	27	50	
23-15-0579	6567106	1320310	1-65	3 298	16,997	3.40	578	39	15,403	3.41	526	7-69	42	805	-.05	22	39	
23-15-0579	6596067	1320310	7-65	3 291	18,037	3.32	598	64	15,480	3.54	548	12-69	42	919	-.08	22	42	
23-15-0579	6596075	1320310	9-65	3 305	19,170	3.09	592	69	15,090	3.51	529	12-69	42	1,091	-.11	23	47	
23-15-0579	6596078	1320310	9-65	3 298	17,077	3.52	601	68	14,777	3.46	511	7-69	42	880	-.04	26	44	
23-15-0579	6596079	1320310	9-65	3 305	18,083	3.27	591	73	14,833	3.48	516	9-69	42	992	-.07	25	46	
23-15-0579	6596083	1320310	9-65	3 301	17,663	3.15	556	74	15,030	3.51	527	10-69	42	922	-.10	19	40	
23-15-0579	6596084	1320310	10-65	2 305	18,605	3.02	561	43	14,680	3.43	503	6-69	40	1,031	-.10	22	45	
23-15-0579	6596086	1320310	10-65	2 305	16,930	3.29	557	52	14,545	3.43	499	7-69	40	873	-.06	22	41	
23-15-0579	6596087	1320310	10-65	2 305	18,435	3.09	570	66	14,655	3.47	509	8-69	40	1,016	-.09	23	45	
23-15-0579	6596088	1320310	11-65	2 305	16,290	3.57	582	50	14,665	3.45	506	6-69	40	796	-.03	24	41	
23-15-0579	6596094	1320310	11-65	2 305	18,295	3.43	627	65	14,830	3.51	520	10-69	40	986	-.06	27	48	
23-15-0579	6596099	1320310	1-66	2 305	17,300	3.58	620	43	15,465	3.52	544	4-70	40	826	-.04	24	41	
23-15-0579	6596100	1320310	1-66	1 305	19,970	3.44	687	52	15,220	3.57	543	11-69	35	1,033	-.06	28	50	
23-15-0579	6612897	1320310	4-66	2 305	19,395	3.08	598	61	14,640	3.46	506	7-69	40	1,115	-.09	26	51	
23-15-0579	7009125	1320310	6-66	1 305	16,950	3.78	641	85	15,140	3.51	532	10-68	35	810	-.02	26	43	
23-15-0579	7009132	1320310	9-66	1 305	18,370	3.10	570	59	15,930	3.57	569	12-68	35	863	-.09	18	37	
23-15-0579	7009135	1320310	9-66															

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW 8GRN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C REPT	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..OOL- LARS
23-15-0580	6888948	1347940	7-67	1 305	17,120	3.71	636	12 15,000	3.72	558	8-69	36	736	.00	26	\$ 41
23-15-0580	6888950	1347940	10-67	1 305	18,040	3.51	634	12 15,000	3.72	558	8-69	36	804	-.02	26	42
23-15-0593	5577017	1189870	12-61	4 301	17,255	4.00	691	26 13,655	3.89	531	11-69	44	658	.04	29	41
23-15-0593	6711928	1309574	8-66	1 303	19,500	4.12	803	45 14,410	3.88	559	10-69	36	630	.06	32	43
23-15-0593	6711967	1320310	10-66	1 305	20,340	3.53	719	41 14,690	3.91	574	11-69	35	1,096	-.07	29	53
23-15-0602	5512356	1189870	10-61	5 305	18,844	3.68	693	8 14,430	3.73	538	3-70	44	789	.00	29	45
23-15-0602	5992418	1189870	11-63	2 305	23,650	3.42	809	12 15,340	3.85	591	12-68	40	1,087	-.05	32	55
23-15-0622	6692245	1347940	8-66	1 305	20,170	3.63	732	15 13,520	3.93	531	5-69	36	1,062	-.02	35	57
23-15-0622	6840345	1347940	2-67	1 305	16,750	4.00	670	20 13,480	3.89	525	7-69	36	810	.01	31	47
23-15-0622	6871017	1347940	2-67	1 305	16,900	3.75	633	17 13,390	3.91	524	6-69	36	827	-.01	28	45
23-15-0622	6884336	1347940	5-67	1 305	19,990	3.33	666	20 13,480	3.89	525	7-69	36	1,051	-.05	30	52
23-15-0622	6918240	1347940	8-67	1 305	17,820	3.57	636	25 15,220	3.65	555	10-69	36	773	-.01	26	42
23-15-0628	5427412	1340669	7-61	5 305	20,844	3.69	769	58 14,794	3.65	540	3-69	44	1,032	-.05	29	51
23-15-0628	6515065	1458744	3-66	2 289	16,985	3.24	551	62 14,445	3.57	515	9-69	40	788	-.04	22	39
23-15-0628	6613783	1399824	7-66	1 305	17,660	4.08	720	79 14,370	3.49	501	8-69	36	644	.07	33	44
23-15-0628	6677260	1391986	9-66	1 305	22,560	3.03	683	81 15,440	3.49	539	10-68	26	919	-.05	26	45
23-15-0628	6703463	1458744	10-66	2 305	18,280	3.25	594	76 15,360	3.42	526	1-70	40	836	-.03	25	42
23-15-0628	6703464	1458744	11-66	2 282	16,830	3.39	571	81 14,950	3.46	518	10-69	40	726	-.02	23	38
23-15-0628	6703465	1458744	12-66	2 305	19,395	3.57	692	73 15,475	3.42	529	1-70	40	938	.01	35	53
23-15-0628	6703469	1458744	1-67	1 305	20,000	3.00	600	74 16,280	3.34	543	2-69	36	853	-.05	23	41
23-15-0628	6771444	1458744	2-67	1 305	18,990	3.41	648	74 16,280	3.34	543	2-69	36	778	-.01	27	43
23-15-0628	6776637	1347940	3-67	1 305	19,060	3.44	655	56 15,280	3.36	513	6-69	36	861	-.01	30	47
23-15-0630	6547779	1441440	2-66	1 305	17,750	3.98	706	11 12,650	3.70	468	11-69	35	803	.04	35	50
23-15-0630	6547780	1441440	2-66	2 305	17,825	3.69	658	9 13,205	3.73	493	9-69	40	865	.01	33	50
23-15-0630	6802889	1441440	9-65	2 305	19,480	3.86	751	9 12,900	3.66	472	8-69	40	1,062	.04	44	64
23-15-0630	7051296	1347940	10-67	1 305	18,740	3.40	638	5 14,190	3.59	509	3-70	36	911	-.03	29	48
23-15-0633	6452076	1436081	1-66	3 305	22,263	3.94	877	10 17,016	3.74	636	3-70	42	672	.07	35	46
23-15-0633	6646092	1386406	7-66	2 305	20,890	3.72	778	12 16,505	3.59	592	1-70	40	780	.03	33	48
23-15-0633	6671603	1261857	12-66	1 305	20,530	3.95	810	8 17,970	3.77	678	3-69	36	691	.08	37	49
23-15-0633	7002141	1309574	9-67	1 305	19,810	3.70	733	17 15,490	3.56	551	8-69	36	581	.05	28	38
23-15-0633	7014901	1478014	11-67	1 305	25,290	3.65	922	25 18,160	3.57	648	11-69	33	877	.03	36	53
23-15-0634	5968467	1259069	11-63	4 305	21,852	3.48	761	10 17,242	3.58	617	12-68	44	758	-.04	21	37
23-15-0634	6594716	1347940	6-66	2 305	17,660	3.69	651	8 15,700	3.68	577	7-69	40	753	.00	27	42
23-15-0638	5671312	1112211	7-62	4 305	19,793	3.48	689	56 14,788	3.64	538	10-69	44	1,001	-.05	29	50
23-15-0638	5704278	1391986	10-62	5 305	19,826	3.87	767	54 14,450	3.65	528	8-69	36	1,042	.06	47	66
23-15-0638	5763609	1391986	1-63	5 302	16,402	3.97	651	69 13,998	3.67	514	10-69	36	598	.07	32	42
23-15-0638	6399792	1445278	9-65	3 305	19,123	3.24	620	68 14,933	3.54	528	1-70	41	1,132	-.11	24	49
23-15-0638	6429254	1458744	10-65	2 296	19,680	3.41	672	40 14,330	3.63	520	7-69	40	1,072	-.04	33	55
23-15-0638	6607331	1458744	6-66	2 305	19,595	3.66	717	58 15,050	3.43	516	12-69	40	997	.01	38	57
23-15-0638	6607332	1458744	6-66	2 305	20,970	3.48	729	52 15,450	3.45	533	1-70	40	1,100	-.01	38	60
23-15-0638	6649028	1458744	8-66	1 305	21,840	3.76	821	76 15,350	3.58	549	10-68	36	1,052	.01	39	60
23-15-0646	6721145	1347940	7-66	2 305	21,570	3.16	682	15 14,785	3.76	556	12-69	40	1,233	-.08	32	59
23-15-0648	6460711	1441440	12-65	1 305	18,310	3.87	708	12 15,310	3.79	581	7-69	35	665	.02	27	40
23-15-0648	6866656	1320310	8-67	1 305	21,800	3.48	758	11 16,470	3.75	618	10-69	35	1,086	-.07	29	52
23-15-0658	6845405	1347940	3-66	1 305	15,740	4.29	675	13 14,220	4.00	569	9-68	36	685	.02	28	41
23-15-0661	6810036	1347940	2-67	1 288	15,490	4.18	648	13 13,780	3.75	517	11-69	36	696	.03	30	43
23-15-0661	6889295	1347940	3-67	1 305	15,630	4.40	688	19 12,640	3.75	474	10-69	36	783	.05	35	49
23-15-0661	6889297	1347940	6-67	1 305	17,970	3.53	634	13 13,440	3.82	513	12-69	36	904	-.02	29	48
23-15-0667	5283730	1189870	1-61	3 304	17,510	4.15	726	40 14,997	3.67	550	8-69	42	523	.08	30	38
23-15-0667	6352080	1320310	3-65	3 303	18,633	3.28	612	54 14,183	3.62	514	10-69	42	1,124	-.09	27	52
23-15-0667	6500189	1347940	10-65	2 305	20,505	3.59	736	62 13,520	3.64	492	9-69	40	1,240	-.01	43	68
23-15-0667	6703480	1391986	12-66	2 305	19,480	3.64	709	72 16,185	3.40	551	1-70	31	678	.04	31	43
23-15-0667	6776651	1309574	4-67	1 305	25,020	2.62	656	45 14,890	3.59	534	12-69	36	1,009	-.09	23	45
23-15-0667	6983130	1347940	8-67	1 305	21,180	3.27	693	40 16,260	3.45	567	3-70	36	954	-.03	30	50
23-15-0667	6983131	1458744	9-67	1 305	20,830	3.21	668	51 15,930	3.53	563	2-70	36	938	-.05	27	47
23-16-0017	5640676	1396768	8-62	4 305	22,710	3.48	790	23 15,370	3.77	579	7-69	43	1,096	-.05	32	55
23-16-0017	6318288	1441440	4-65	3 305	22,183	3.69	819	18 16,360	3.76	615	3-70	42	1,095	.01	41	62
23-16-0017	6637578	1406271	8-66	2 305	21,185	3.84	813	27 17,430	3.82	665	10-69	40	848	.04	36	52
23-16-0045	6351245	1441440	1-65	3 305	16,616	4.08	678	8 13,323	3.68	490	5-69	42	765	.07	38	51
23-16-0045	6432336	1441440	4-65	2 305	18,045	3.21	579	11 13,560	3.65	495	1-69	40	855	-.04	25	43
23-16-0089	6633778	1441440	3-66	1 305	18,730	3.96	741	10 15,090	3.66	552	2-70	35	711	.04	32	45
23-17-0023	6105618	1427615	11-63	4 305	17,252	3.44	593	7 13,862	3.79	525	5-69	43	900	-.11	16	37
23-17-0023	7000687	1441440	3-67	1 305	18,170	3.73	677	9 15,040	3.88	583	12-69	35	672	.01	25	38
23-17-0030	6842603	1347940	11-66	2 296	18,205	3.18	579	12 13,545	3.55	481	9-69	40	1,005	-.06	28	49
23-17-0030	6843020	1441440	11-66	2 305	17,220	3.43	591	12 14,565	3.51	511	12-69	40	679	.00	25	38
23-17-0030	6930104	1399824	8-67	1 305	20,270	3.25	659	11 15,750	3.39	534	2-70	36	746	-.01	26	41
23-17-0030	6930106	1441440	11-66	1 305	18,370	3.76	691	16 13,930	3.58	499	12-68	35	763	.03	32	46
23-17-0067	5314856	1108504	12-60	7 303	19,727	3.49	688	6 13,576	3.72	505	5-69	44	906	-.04	27	46
23-17-0067	6196221	1347940	1-65	3 301	17,796	3.58	637	21 14,503	3.68	533	9-69	42	903	-.02	30	48
23-17-0067	6516894	1309574	1-66	2 305	19,620	3.59	704	16 15,140	3.48	527	1-70	40	699	.05	32	45
23-17-0067	6893339	1347940	10-67	1 305	15,610	3.40	530	28 13,540	3.58	485	11-69	36	721	-.02	23	38
23-18-0017	5475382	1347940	4-61													

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C REPT	.....C O W MILK (LB)	I N O FAT (%)	E X FAT (LB)	..... DOL- LARS
23-18-0060	5717522	1347940	11-62	5 305	23,006	3.41	785	13 16,834	3.55	597	7-69	44	1,332	-.03	43	\$ 70
23-18-0060	5991363	1427615	10-63	5 303	18,772	3.96	743	19 17,002	3.62	616	4-70	44	743	-.01	25	40
23-18-0060	6232835	1347940	10-64	3 305	19,656	3.58	704	5 16,013	3.61	578	6-69	42	961	-.01	33	52
23-18-0060	6772594	1347940	9-66	2 303	18,125	3.27	593	11 15,775	3.60	568	8-69	40	793	-.04	22	39
23-18-0062	6575929	1347940	4-66	2 305	18,490	3.36	621	7 16,515	3.58	592	7-69	40	762	-.03	23	39
23-18-0062	6828467	1347940	5-67	1 305	19,900	3.33	662	10 16,570	3.60	597	2-69	36	837	-.04	25	42
23-18-0074	6766492	1347940	1-67	1 305	21,000	3.37	708	6 13,620	3.85	524	12-68	36	1,117	-.04	34	57
23-18-0075	6282244	1347940	4-65	3 289	16,256	3.39	551	18 13,816	3.78	522	6-69	42	797	-.05	21	38
23-18-0075	6734236	1399824	8-66	2 305	17,345	3.87	671	25 13,635	3.83	522	10-69	40	746	.03	31	45
23-18-0075	6825984	1347940	3-67	2 292	17,360	3.81	662	21 13,935	3.79	528	10-69	40	883	.01	33	50
23-18-0075	7122866	1379208	5-68	1 282	19,350	3.57	691	17 15,030	3.77	566	3-70	35	726	-.01	24	39
23-18-0089	6497491	1347940	12-65	3 305	19,560	3.59	702	23 17,036	3.66	623	1-70	42	844	-.02	28	45
23-18-0094	7115752	1347940	1-68	1 302	18,660	3.65	681	15 14,080	3.62	509	12-69	36	912	.00	33	51
23-18-0098	6496156	1347940	2-66	2 292	18,440	3.31	611	12 15,450	3.73	576	3-70	40	855	-.05	23	41
23-18-0098	6586107	1469311	4-66	2 298	17,300	4.26	737	21 14,930	3.69	551	8-69	40	461	.11	32	39
23-18-0100	5696136	1189870	12-62	3 305	19,397	3.88	752	17 14,750	3.78	558	10-68	42	765	.03	32	46
23-18-0100	6256364	1347940	11-64	2 305	23,570	3.36	792	18 15,740	3.77	594	11-68	40	1,349	-.06	40	68
23-18-0100	6444324	1347940	8-65	2 305	19,075	3.96	756	31 15,165	3.69	560	9-68	40	945	.03	39	57
23-19-0006	7087767	1347940	2-68	1 305	16,110	3.72	600	9 14,440	3.87	559	3-70	36	698	-.01	23	37
23-19-0043	6753708	1347940	1-67	2 291	18,080	3.82	690	9 14,690	3.87	569	12-69	40	887	.00	32	50
23-19-0043	6954523	1347940	8-67	1 305	16,140	3.80	613	8 13,930	3.93	547	11-69	36	734	-.01	25	40
23-19-0090	6338125	1338728	3-65	2 305	20,085	4.28	860	25 14,980	3.96	593	7-69	40	439	.15	37	42
23-19-0090	6543979	1338728	7-65	2 305	20,600	3.69	761	26 14,545	3.93	571	5-69	40	531	.07	29	38
23-19-0091	5689176	1388665	7-62	5 298	16,712	3.77	630	15 13,088	3.82	500	9-68	35	642	.02	26	38
23-19-0103	6390006	1347940	9-65	3 304	22,926	4.21	966	23 17,143	4.09	702	8-69	42	1,220	.04	50	73
23-19-0103	6564761	1206797	2-66	2 305	22,050	4.16	918	29 18,610	3.97	739	8-69	40	629	.04	28	40
23-19-0103	6749750	1206797	1-67	1 305	24,570	3.96	974	24 18,890	3.95	747	5-69	35	712	.01	27	41
23-19-0103	6911080	1347940	8-67	1 305	20,640	3.78	781	31 18,150	4.04	733	8-69	36	787	-.02	25	41
23-19-0103	6979673	1347940	11-67	1 305	21,930	4.02	881	10 19,910	4.09	814	3-70	36	765	.00	27	42
23-19-0105	7170309	1347940	11-66	2 305	17,535	3.88	680	9 14,740	3.71	547	2-70	40	828	.02	33	49
23-19-0110	5994526	1237057	8-62	5 301	19,982	3.58	716	17 15,070	3.86	581	3-70	44	924	-.07	23	43
23-19-0138	6570810	1347940	2-66	2 305	20,810	3.13	652	17 16,835	3.69	621	5-69	40	969	-.08	23	44
23-19-0138	6577860	1242221	7-66	2 305	26,910	3.20	861	10 17,255	3.80	655	9-69	38	1,719	-.10	47	84
23-19-0138	6642654	1469311	11-66	1 305	27,470	3.22	885	10 17,290	3.67	635	8-69	35	1,017	-.02	34	55
23-19-0138	6718979	1347940	11-66	1 305	21,020	3.75	789	10 18,570	3.57	663	4-70	36	787	.01	30	45
23-19-0141	5991780	1330987	2-63	3 250	19,463	4.05	788	11 17,577	3.69	649	2-69	8 42	572	.09	34	43
23-20-0014	5293031	1179372	11-60	4 295	18,928	3.49	661	7 14,975	3.73	559	9-68	44	709	-.02	22	37
23-20-0023	6578239	1329588	8-65	3 304	18,877	3.72	702	6 14,990	3.63	544	11-69	42	693	-.01	24	38
23-20-0062	6420729	1309574	9-65	3 304	18,920	3.69	698	38 15,187	3.88	590	9-69	42	668	.01	26	39
23-20-0101	6679712	1441440	10-66	1 305	15,640	4.17	652	23 12,260	3.68	451	9-69	35	670	.05	32	44
23-20-0109	5928586	1300014	9-63	5 305	19,102	3.60	687	23 14,046	3.82	536	11-69	44	916	-.08	21	41
23-20-0109	7056367	1203010	2-68	1 305	17,510	4.20	736	33 15,200	3.77	573	12-69	35	848	.00	30	47
23-20-0133	6034621	1427615	1-64	4 299	18,550	3.22	598	23 13,387	3.79	507	9-69	43	1,115	-.14	19	45
23-20-0140	6835941	1399824	4-67	1 305	17,920	4.01	718	23 12,550	3.74	469	11-69	36	785	.05	35	49
23-20-0146	5354962	1328684	12-60	6 305	19,337	3.61	699	43 14,313	3.58	513	8-69	37	908	.04	39	56
23-20-0146	5518332	1328684	9-61	4 305	18,518	3.91	724	44 14,713	3.60	530	9-69	36	717	.09	39	51
23-20-0146	5589978	1328684	6-62	6 304	16,952	3.98	674	56 14,662	3.67	538	12-69	37	514	.09	32	40
23-20-0146	5952466	1404795	11-63	4 305	23,285	3.73	868	61 14,905	3.62	539	1-70	43	907	.02	36	53
23-20-0146	5952474	1300014	10-63	4 293	19,085	3.60	688	53 14,190	3.61	512	2-69	44	874	-.06	23	42
23-20-0157	5333422	1347715	3-61	6 305	17,768	3.99	709	25 13,677	3.62	495	7-69	36	855	.07	41	56
23-20-0157	5841297	1396768	7-62	3 304	22,070	4.03	890	31 12,543	3.58	449	3-69	42	1,262	.06	55	78
23-20-0163	4950412	1040096	10-59	6 303	19,748	3.45	682	16 15,010	3.81	572	4-69	44	834	-.07	20	38
23-20-0163	5399768	1199324	7-61	5 305	20,622	3.36	692	11 13,894	3.82	531	12-68	44	1,315	-.08	35	63
23-20-0211	6713351	1309574	8-66	2 305	18,675	3.44	642	10 14,150	3.88	549	10-69	40	694	-.01	23	37
23-20-0211	7011675	1309574	9-67	1 305	18,600	4.10	762	13 14,480	3.85	558	9-69	36	558	.06	29	39
23-20-0211	7046401	1399824	10-67	1 305	18,680	3.80	709	10 15,290	3.60	551	1-70	36	658	.04	29	41
23-20-0266	5056763	1272002	8-59	6 305	19,393	3.00	582	13 12,822	3.70	474	12-68	35	1,189	-.16	18	46
23-20-0276	6823120	1309574	3-66	2 305	17,385	3.75	652	6 13,880	3.77	523	12-69	40	587	.04	27	38
23-20-0279	5424313	1181029	9-61	3 303	19,173	3.77	723	24 14,703	3.69	542	11-69	42	602	.03	26	37
23-20-0297	6266549	1329588	10-64	1 305	23,180	3.90	903	11 17,310	3.81	660	1-70	36	720	.00	26	40
23-20-0297	6844817	1347940	10-66	2 291	18,745	3.30	619	23 16,225	3.76	610	10-69	40	815	-.06	21	39
23-20-0308	6900254	1399824	11-67	1 305	20,160	3.92	790	9 15,790	3.57	563	10-69	36	735	.05	34	47
23-20-0320	6867534	1330987	10-65	3 305	17,743	3.98	706	10 14,777	3.80	562	10-69	42	664	.07	34	45
23-20-0320	7018831	1458744	11-67	1 305	22,220	3.68	818	10 14,790	3.61	534	10-69	36	1,118	.00	40	62
23-20-0321	6063134	1415405	2-64	4 305	20,635	3.39	700	10 14,645	3.55	520	11-69	43	960	-.05	27	47
23-20-0328	6354344	1303198	7-65	3 305	16,633	3.90	648	12 12,183	3.76	458	12-69	42	665	.03	28	40
23-20-0328	6795478	1377954	4-67	1 305	16,870	3.85	650	18 13,120	4.05	531	9-69	36	645	.01	25	37
23-20-0328	6957615	1377954	6-67	1 305	18,290	4.49	821	18 13,120	4.05	531	9-69	36	750	.07	38	51
23-20-0328	6957616	1377954	8-67	1 305	16,490	4.27	704	18 13,440	3.98	535	11-69	36	595	.05	29	40
23-20-0335	4985447	1350474	12-59	5 305	19,008	3.26	620	24 14,266	3.36	479	3-70	39	835	-.03	25	42
23-20-0335	5183423	1350474	6-60	5 305	17,996	3.51	632	44 13,690	3.37	461	1-70	39	764	.01	29	44
23-20-0354	6761765	1399824	3-67	1 305	17,590</											

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES.. FAT (%)	LAST CALVD MO-YR	T C D	.....C O W MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS	
23-21-0057	5451632	1189870	8-61	6 292	20,633	3.97	820	12 17,663	3.90	688	11-69	44	645	.03	28	\$ 40
23-21-0057	6227522	1222994	1-65	3 305	23,180	3.55	824	10 17,527	3.96	694	6-69	42	983	-.06	27	48
23-21-0060	6252724	1245520	11-64	3 305	21,420	3.52	755	19 16,396	3.62	594	7-69	42	863	-.05	24	42
23-21-0060	6365684	1273756	5-65	3 298	20,310	4.03	819	28 17,123	3.70	633	11-69	42	726	.08	38	50
23-21-0060	6545071	1273756	2-66	2 305	20,435	3.77	771	22 16,405	3.63	596	10-69	40	769	.05	35	49
23-21-0060	6808026	1347940	1-67	2 297	22,695	3.60	818	26 17,210	3.75	646	1-70	40	1,126	-.02	38	61
23-21-0060	6980861	1347940	12-67	1 299	18,870	3.49	658	28 16,280	3.81	620	1-70	36	780	-.03	23	39
23-21-0060	7095078	1347940	12-67	1 305	20,380	3.55	723	22 16,070	3.83	615	2-70	36	907	-.03	29	48
23-21-0066	6013391	1189870	12-63	3 296	20,980	3.33	698	15 14,513	3.78	548	9-69	42	972	-.05	27	48
23-21-0066	6478672	1309574	2-66	1 305	22,840	3.80	868	11 17,180	3.75	645	1-70	36	693	.04	31	44
23-21-0084	6348893	1300014	5-65	3 305	18,696	3.98	744	22 14,956	3.77	564	2-70	42	714	-.03	22	37
23-21-0084	6618654	1320310	3-65	2 305	16,565	4.09	677	25 14,580	3.72	542	8-69	40	832	.00	30	46
23-21-0085	6646918	1437165	9-66	2 305	18,535	3.85	714	29 14,980	3.64	546	11-69	30	584	.03	26	37
23-21-0089	5827432	1324354	2-63	4 305	20,360	3.67	747	46 14,935	3.68	549	6-69	44	706	.02	29	42
23-21-0089	6138330	1199324	8-64	1 305	19,580	4.03	789	26 15,460	3.71	574	3-70	36	829	.02	33	49
23-21-0089	6335671	1417208	3-65	3 305	18,003	4.11	740	59 14,390	3.76	541	11-69	42	815	.07	39	54
23-21-0089	6793072	1261857	4-67	1 305	18,390	3.70	680	66 14,100	3.62	511	6-69	36	791	.07	39	53
23-21-0091	6097123	1259069	12-63	4 304	22,665	3.21	727	10 16,815	3.62	608	11-69	44	906	-.10	18	38
23-21-0091	6115631	1347940	8-64	1 305	22,920	3.87	886	10 19,450	3.52	684	4-69	36	869	.03	36	52
23-21-0091	6672523	1399824	10-66	2 296	22,105	3.56	786	12 19,230	3.40	654	12-69	40	718	.03	31	44
23-21-0091	6692042	1099477	10-61	3 223	21,533	3.96	853	14 18,290	3.54	648	4-69	42	455	.09	30	37
23-21-0107	5695784	1189870	9-62	4 305	19,920	4.38	873	15 15,333	3.88	595	12-68	44	800	.10	44	57
23-21-0107	6949583	1337741	10-67	1 305	20,510	4.12	844	19 14,990	4.01	601	11-69	35	761	.03	32	46
23-21-0108	6746064	1309574	6-66	1 305	19,650	3.46	679	9 13,370	3.85	515	10-68	36	711	.00	26	40
23-21-0111	6900640	1230310	9-66	2 292	19,610	3.64	713	15 15,280	3.95	603	9-69	40	1,079	-.07	28	51
23-21-0162	6899598	1377954	7-67	1 305	20,700	3.85	797	10 13,650	3.93	537	6-69	36	894	.03	36	53
23-21-0194	5766573	1189870	11-62	5 302	20,642	3.27	676	8 15,962	3.63	580	1-70	44	844	-.06	22	40
23-21-0239	5844530	1189870	10-60	6 305	19,355	3.41	660	10 12,888	3.90	503	9-69	44	1,034	-.06	29	51
23-21-0239	6791789	1320310	1-67	1 305	19,570	3.49	683	10 13,340	3.83	511	5-69	35	1,130	-.07	30	54
23-21-0277	6967088	1337741	10-67	1 305	20,680	3.74	773	31 16,960	3.70	628	1-70	35	640	.01	25	37
23-21-0277	6967096	1441440	8-67	1 305	20,210	3.96	800	37 16,340	3.84	627	10-69	35	738	.03	31	45
23-21-0277	6967101	1320310	11-67	1 305	21,110	3.32	700	44 16,340	3.87	633	12-69	35	1,043	-.10	23	46
23-21-0282	5109157	1189870	3-60	5 301	18,520	3.86	715	13 14,596	3.73	544	9-68	44	728	.03	31	45
23-21-0304	5432674	1372876	10-61	3 305	21,493	3.39	728	123 14,597	3.84	560	9-69	33	1,219	-.08	32	58
23-21-0304	5647376	1372876	9-62	6 303	17,807	4.19	747	135 14,905	3.80	566	10-69	36	726	.07	36	49
23-21-0304	5680045	1366229	2-62	6 305	17,448	4.63	808	115 14,940	3.79	566	4-70	44	402	.19	42	45
23-21-0304	5802906	1189870	11-62	4 291	17,413	4.20	732	104 14,373	3.83	550	4-70	44	598	.07	32	42
23-21-0304	5848793	1189870	7-63	5 303	18,800	3.82	718	120 14,592	3.83	559	11-69	44	765	.02	30	45
23-21-0304	6023917	1189870	9-63	4 304	20,058	3.44	689	58 15,105	3.87	585	5-69	44	843	-.05	23	41
23-21-0304	6138986	1336050	7-64	3 305	20,333	3.54	720	105 15,260	3.88	592	3-69	42	1,021	-.04	31	52
23-21-0304	6138988	1336050	8-64	3 294	17,290	3.88	671	122 14,537	3.83	557	9-68	42	742	.02	29	43
23-21-0304	6230467	1366229	5-62	5 300	19,264	4.35	838	106 15,278	3.81	582	8-69	44	599	.15	44	52
23-21-0304	6276703	1336050	11-64	4 305	18,765	3.18	597	135 15,190	3.80	577	3-70	43	865	-.08	19	38
23-21-0304	6346568	010255163	3-63	3 303	23,347	3.19	745	64 16,147	3.57	577	11-69	42	786	.02	31	46
23-21-0304	6375122	1336050	7-65	3 301	20,533	3.28	673	93 15,433	3.78	584	4-70	42	1,026	-.07	27	49
23-21-0304	6418495	1336050	9-65	3 298	17,280	4.22	729	148 15,350	3.77	578	12-69	42	656	.07	34	45
23-21-0304	6431228	1336050	8-65	3 299	18,333	3.58	657	146 15,417	3.77	581	12-69	42	771	-.02	25	41
23-21-0304	6580006	1466495	5-66	2 305	19,755	3.60	712	172 14,815	3.76	557	11-69	29	811	-.05	22	39
23-21-0304	6602200	1366229	6-66	2 294	20,430	3.57	729	150 14,820	3.74	554	11-69	40	647	.04	29	41
23-21-0304	6611106	1336050	7-66	1 305	20,490	3.46	709	130 16,150	3.79	612	2-69	35	801	-.03	25	42
23-21-0304	6660480	1366229	9-66	1 305	22,790	3.85	878	123 16,130	3.78	610	2-69	35	590	.07	32	42
23-21-0304	7101757	010275932	11-65	2 297	18,335	4.17	765	150 14,330	3.74	536	12-69	40	544	.07	30	39
23-21-0357	5677170	1368384	7-62	5 305	21,984	3.65	803	10 16,818	3.63	611	12-69	38	815	.00	30	46
23-21-0357	6456259	1441440	4-65	2 305	20,020	3.60	720	16 16,465	3.72	613	10-68	40	790	.00	28	44
23-21-0357	6725272	1399824	10-66	2 305	18,295	3.63	627	23 15,235	3.66	557	9-69	40	696	-.01	23	37
23-21-0357	6984667	1320310	10-67	1 305	16,990	3.63	616	28 15,430	3.62	559	9-69	35	793	-.04	22	39
23-21-0363	5368433	1350092	6-61	4 286	19,740	3.41	674	15 14,903	3.60	537	3-69	33	894	-.06	24	43
23-21-0363	5627543	1189870	8-62	3 305	20,307	3.28	666	14 15,163	3.71	563	1-69	42	827	-.06	21	39
23-21-0363	5763734	1189870	12-62	2 305	18,415	4.15	765	13 15,115	3.74	565	1-70	40	577	.06	30	40
23-21-0363	5978431	1189870	5-63	3 304	15,963	4.51	720	11 14,170	3.68	521	3-70	42	431	.11	32	38
23-21-0363	6244877	1397984	9-63	4 305	20,935	3.30	690	12 14,915	3.56	531	6-69	36	987	-.02	33	53
23-21-0364	5786884	1189870	3-63	4 305	22,698	3.27	742	6 17,095	3.81	651	9-69	44	948	-.08	22	43
23-21-0364	6034913	1189870	1-64	4 302	20,748	3.96	821	8 17,763	3.73	663	1-70	44	633	.05	30	41
23-21-0364	6624704	1406271	10-66	1 305	21,740	3.44	748	8 17,510	3.62	634	10-68	36	800	.01	31	46
23-21-0369	5428824	1189870	7-61	3 305	18,487	4.02	743	16 14,057	3.65	513	9-69	42	733	.06	35	48
23-21-0369	6119088	1320310	8-64	4 305	16,435	3.84	631	20 14,623	3.66	535	2-70	43	823	-.01	28	45
23-21-0369	6790282	1330987	4-67	1 305	19,200	3.20	615	15 13,990	3.68	515	7-69	36	733	.00	26	41
23-21-0377	6692043	1400258	9-62	3 305	21,813	3.51	766	17 17,800	3.51	625	1-69	34	712	.00	25	39
23-21-0377	6759676	1239242	1-66	2 305	22,030	3.14	691	31 15,130	3.56	538	7-69	40	980	-.07	25	46
23-21-0377	6759685	1467915	8-66	2 298	18,170	3.70	673	34 15,370	3.51	539	11-69	35	627	.05	30	41
23-21-0377	6793124	1261857	1-67	1 305	17,710	3.95	699	34 14,230	3.55	505	8-69	36	732	.10	41	53
23-21-0377	6793126	1261857	3-67	1 305	17,890											

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COV'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C MO-YR O	.....C O W MILK (L8)	I N O E X..... FAT (%) (L8)	DOL- LARS
23-22-0003	6165897	1320310	9-64	3 305 20,110 3.41 686	33 17,197 3.66 629	4-69	42	980	-.08 24 \$ 45
23-22-0003	6455067	1309574	10-65	3 301 21,703 3.67 796	39 17,670 3.59 635	3-70	42	731	-.05 33 46
23-22-0003	6627999	1320310	5-66	2 299 18,935 3.40 643	38 16,540 3.70 612	7-69	40	894	-.08 21 41
23-22-0003	6628000	1320310	5-66	2 293 19,785 3.71 735	34 16,580 3.71 615	6-69	40	977	-.04 30 50
23-22-0003	6665440	1320310	8-66	2 301 23,080 3.25 751	54 17,750 3.53 627	11-69	40	1,206	-.09 30 56
23-22-0003	6665441	1320310	8-66	2 298 21,800 3.42 745	53 17,245 3.60 620	10-69	40	1,122	-.07 30 54
23-22-0003	6722881	1320310	10-66	2 305 21,550 3.29 708	54 17,750 3.53 627	11-69	40	1,050	-.08 26 49
23-22-0003	6727281	1309574	12-66	2 294 22,985 3.27 751	52 18,105 3.51 635	12-69	40	770	-.01 26 42
23-22-0003	6787224	1320310	5-66	2 304 19,215 3.48 668	43 16,635 3.67 611	8-69	40	914	-.07 23 43
23-22-0003	6959888	1320310	10-67	1 299 20,950 3.15 659	42 18,470 3.47 641	1-70	35	886	-.08 20 40
23-22-0003	6959889	1320310	10-67	1 305 22,230 3.23 718	42 18,470 3.47 641	1-70	35	982	-.08 24 45
23-22-0016	4912830	1189870	6-59	8 290 20,295 3.39 689	17 15,281 3.75 573	10-69	44	878	-.05 24 43
23-22-0016	6498014	1397209	12-65	2 301 21,980 3.21 706	27 15,430 3.75 578	11-69	40	1,047	-.09 25 48
23-22-0020	5903237	1378324	9-63	5 305 18,106 4.50 815	18 16,530 3.69 610	3-70	36	542	-.15 42 49
23-22-0020	6149077	1378324	10-64	2 305 19,750 3.58 707	30 16,445 3.72 612	10-68	30	712	-.02 23 38
23-22-0020	6176249	1316590	11-64	3 305 21,557 3.82 824	35 16,410 3.64 598	1-70	42	631	-.05 30 41
23-22-0020	6929163	1378324	8-67	1 305 21,070 4.00 843	31 16,450 3.62 595	12-69	25	747	-.05 34 48
23-22-0020	7040211	1378324	12-67	1 305 24,250 2.35 570	32 15,820 3.58 566	3-70	25	1,077	-.17 13 39
23-22-0096	6825402	1309574	11-66	2 305 20,580 3.35 689	15 15,840 3.64 576	11-69	40	733	-.00 26 41
23-22-0098	6503857	1441440	7-65	2 305 19,485 3.61 703	5 16,845 3.75 631	4-69	40	701	-.00 25 39
23-22-0100	5367950	1189870	9-60	6 305 24,595 3.06 752	20 17,012 3.72 633	2-69	44	1,232	-.13 25 53
23-22-0100	5436329	1189870	6-61	5 305 21,074 3.55 749	22 17,472 3.63 634	1-70	44	724	-.01 25 40
23-22-0100	6801478	1473660	11-66	2 303 22,890 3.71 849	30 18,465 3.68 680	12-69	30	756	-.03 31 45
23-22-0103	6214148	1320310	8-64	4 305 18,828 3.02 569	21 16,193 3.41 552	12-69	43	945	-.11 18 39
23-22-0114	5964215	1399426	10-63	4 296 18,495 3.89 719	16 15,545 3.57 555	12-68	34	558	-.07 31 40
23-22-0114	5964219	1378324	8-62	5 300 20,568 3.30 679	13 14,842 3.55 527	5-69	36	1,133	-.05 33 57
23-22-0115	6651419	1441440	3-65	3 305 18,926 3.76 712	9 16,030 3.64 584	10-69	42	750	-.03 32 46
23-22-0121	6446643	1347940	1-66	2 298 17,810 3.75 668	17 16,190 3.76 609	11-69	40	723	-.00 26 40
23-22-0123	6536600	1347940	3-66	1 305 17,740 3.44 610	5 13,740 3.59 493	5-69	36	866	-.02 28 46
23-22-0124	6533703	1337741	11-65	3 276 19,130 3.98 761	23 16,550 3.61 597	12-69	42	636	-.06 32 43
23-22-0124	6659344	1443016	10-66	2 305 21,415 3.12 669	5 15,360 3.52 541	2-70	30	979	-.12 17 40
23-22-0124	6826121	1448051	4-67	1 305 19,850 3.11 617	10 14,550 3.68 535	6-69	27	866	-.09 18 37
23-24-0001	6045175	1347940	2-64	4 304 15,705 3.73 586	11 13,895 3.71 516	8-69	44	729	-.00 27 41
23-24-0001	6743857	1347940	10-66	2 305 18,170 3.67 666	14 15,755 3.54 558	1-70	40	799	-.01 30 46
23-24-0003	6718274	1261857	10-66	2 298 19,915 3.36 670	14 16,485 3.65 601	10-69	40	816	-.02 33 49
23-24-0003	6897893	1261857	9-67	1 305 19,530 3.72 726	15 15,830 3.59 568	9-69	36	760	-.08 39 52
23-24-0003	7045147	1261857	1-68	1 305 21,890 4.01 877	7 17,960 3.68 661	2-70	36	793	-.10 44 57
23-24-0005	6300894	1347940	2-65	3 304 17,876 3.69 659	5 13,446 3.75 504	5-69	42	1,022	-.01 36 56
23-24-0005	6845302	1347940	5-67	1 305 20,540 3.50 718	7 13,050 3.59 468	8-69	36	1,121	-.02 38 61
23-24-0005	6861205	1347940	3-67	1 305 16,310 3.83 624	6 12,900 3.58 462	7-69	36	816	-.02 32 48
23-25-0109	6729133	1441440	10-66	1 305 21,200 3.37 714	11 16,830 3.70 623	12-68	35	780	-.02 25 41
23-25-0111	6315854	1441440	2-65	3 305 20,850 3.35 698	14 14,260 3.64 519	4-69	42	1,160	-.03 37 61
23-25-0111	6315855	1441440	3-65	3 240 18,383 3.95 727	23 14,416 3.80 548	11-69	42	856	-.04 37 53
23-25-0111	6722254	1441440	9-66	1 202 17,720 3.70 655	19 14,580 3.70 540	1-69	8 35	670	-.01 26 39
23-25-0111	6776054	1309574	12-66	2 305 17,355 4.10 712	22 14,925 3.77 563	12-69	40	489	-.08 29 37
23-25-0111	6959145	1320310	10-67	1 305 19,870 3.78 751	22 15,560 3.85 599	1-70	35	1,002	-.05 29 50
23-25-0209	6766219	1239242	11-66	2 279 20,225 3.25 658	22 14,620 3.77 551	2-70	40	843	-.07 20 38
23-25-0304	6264413	1238886	9-64	3 299 19,310 3.52 680	12 15,260 3.56 543	6-69	42	621	-.02 26 38
23-25-0304	6270350	1441440	12-64	3 305 19,820 3.83 759	14 15,503 3.63 563	5-69	42	909	-.04 39 56
23-25-0453	5434511	1199324	6-61	6 305 17,068 3.77 644	11 14,873 3.72 554	3-69	44	742	-.00 27 42
23-25-0453	5975200	1199324	9-63	4 255 17,602 3.55 625	13 14,532 3.70 538	5-69	44	840	-.03 26 43
23-25-0453	6732774	1458744	2-67	1 305 18,330 3.77 691	15 14,780 3.79 560	3-69	36	829	-.01 29 46
23-25-0453	6986205	1399824	9-67	1 305 21,030 3.60 758	10 14,790 3.56 527	11-69	36	867	-.02 34 51
23-25-0453	7188757	1320310	5-67	1 297 16,310 3.48 568	12 14,730 3.60 531	6-69	35	790	-.06 20 37
23-25-0469	6032991	1184848	10-63	3 305 19,583 4.06 795	6 14,577 3.68 536	2-69	42	626	-.12 40 49
23-25-0507	4443683	1102436	8-57	9 305 19,031 3.87 737	9 14,801 3.71 549	10-68	44	591	-.05 29 39
23-25-0507	6901246	1399824	11-67	1 305 16,950 4.18 708	5 15,010 3.84 577	3-70	36	548	-.05 27 37
23-25-0548	5544450	1322069	12-61	5 304 18,064 4.00 722	8 14,184 3.64 517	5-69	44	525	-.07 29 38
23-25-0548	5637630	1244845	11-61	5 300 21,490 3.24 696	8 13,864 3.68 510	4-69	44	1,195	-.10 28 54
23-25-0581	5821771	1199324	12-62	4 305 21,610 3.38 731	12 14,507 3.78 548	3-70	44	1,338	-.07 38 66
23-25-0581	5967004	1427615	8-63	5 296 17,342 3.60 624	19 14,562 3.77 549	12-69	H 44	843	-.08 18 37
23-25-0581	6221466	1199324	12-64	3 305 20,886 3.39 709	74 15,113 3.57 539	10-69	42	1,142	-.04 35 59
23-25-0581	6731150	1309574	1-67	1 305 21,130 3.81 805	33 14,960 3.80 568	8-69	36	715	-.04 32 45
23-25-0581	6833503	1399824	3-67	1 305 17,590 4.38 771	29 14,870 3.78 562	6-69	36	605	-.08 33 43
23-25-0581	6833505	1399824	3-67	1 305 18,030 4.23 763	25 15,050 3.79 571	5-69	36	626	-.06 32 43
23-25-0581	6880852	1458744	10-67	1 305 19,410 3.66 711	27 16,140 3.77 608	10-69	36	818	-.02 27 44
23-25-0581	7362316	1320310	3-67	1 305 24,930 3.65 911	21 16,420 3.75 616	11-69	35	1,325	-.05 40 68
23-26-0020	6049099	1427615	2-64	3 305 16,956 3.50 594	21 13,410 3.80 509	6-69	42	897	-.10 18 38
23-26-0024	6446589	1320310	10-65	2 305 18,120 3.60 652	13 14,150 3.87 547	5-69	40	1,030	-.07 27 49
23-26-0028	6107544	1381854	2-64	4 305 19,892 3.34 665	10 13,967 3.67 513	2-70	33	1,058	-.07 28 51
23-26-0028	6522696	1441440	8-65	3 299 17,490 3.44 602	22 14,936 3.59 536	9-69	42	697	-.01 24 38
23-26-0028	7049439	1399824	7-67	1 305 20,450 3.60 737	15 17,790 3.37 600	1-70	36	623	-.04 28 39
23-26-0028	7109766	1320310	10-67	1 305 20,530 3.42 703	13 17,510 3.40 596	2-70	35	919	-.05 26 45
23-26-0040	6567077	1340669	7-64	2 305 25,775 3.32 856	15 16,150 3.51 567	6-69	40	1,258	-.11 29 57
23-26-0045	4800309	1108504	8-58	8 302 19,831 3.85 764	13 15,940 3.88 618	3-69	44	644	-.01 24 37
23-26-0045	6768590	1320310	10-66	2 239 19,465 3.97 772	12 17,740 3.70 657	9-69	8 40	838	-.00 30 47
23-26-0068	6914675	1465802	1-67	2 305 19,980 3.66 731	8 16,100 3.69 594	4-70	29	695	-.01 24 38
23-28-0003	5690375	1189870	8-62	5 305 19,102 3.94 752	28 15,216 3.91 595	4-69	44	732	-.02 30 44
23-28-0003	6109373	1189870	8-63	5 305 20,094 3.74 751	43 15,060 3.86 582	11-69	44	878	-.00 31 49
23-28-0003	6165087	1320310	6-64	4 297 19,398 3.39 658	45 15,463 3.92 606	10-69	43	1,098	-.11 23 48
23-28-0003	6365804	1320310	5-65	3 305 17,907 3.75 671	52 14,850 3.93 584	9-69	42	969	-.05 27 48
23-28-0003	6432967	1441440	10-65	3 298 18,593 4.00 743	52 14,763 3.91 577	8-69	42	844	-.04 36 52
23-28-0003	6627168	1320310	5-66	1 305 18,470 3.70 683	51 14,120 3.91 552	9-68	35	994	-.05 28 49
23-28-0003	6825126	1441440	5-67	1 305 17,950 4.27 766	52 15,750 3.96 624	9-69	35	608	-.05 29 40
23-28-0012	5638351	1189870	12-61	6 302 19,753 3.51 693	43 14,187 3.79 537	7-69	44	935	-.03 29 48

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

ROW	LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	RECS	DAYS	MILK (LB)	FAT (%)	PRODUCTION FAT (LB)	HERDMATE NO.	MILK (LB)	AVERAGES FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C	REPT	C MILK (LB)	D FAT (%)	W FAT (LB)	I FAT (%)	N FAT (LB)	D FAT (LB)	E FAT (LB)	X FAT (LB)	DOL- LARS
23-28-0012	5690767	1259069	9-62	4	305	20,287	3.67	744	49	14,600	3.76	549	1-69	44			858	-.03	26					\$ 44	
23-28-0012	6301713	1337741	7-64	3	305	19,003	3.53	670	36	14,817	3.76	557	8-69	42			803	-.02	26					42	
23-28-0012	6850556	1441440	8-65	3	301	23,203	3.62	839	33	14,893	3.75	559	10-69	42			1,367	.00	49					76	
23-28-0012	6892510	1457897	11-65	3	305	19,836	3.95	784	35	14,656	3.68	539	1-70	32			716	.09	39					51	
23-28-0021	5855075	010275932	7-63	4	301	19,095	3.80	725	72	13,920	3.67	511	1-70	43			768	.04	33					47	
23-28-0021	6226815	1441107	12-64	3	305	18,693	3.73	698	49	14,250	3.59	511	6-69	29			638	.03	27					39	
23-28-0021	6626868	1458744	7-66	2	305	16,600	3.23	536	76	13,775	3.72	512	12-69	40			810	-.06	20					38	
23-28-0021	6626875	1458744	9-66	2	305	15,755	3.54	557	76	13,775	3.72	512	12-69	40			724	-.03	22					37	
23-28-0021	6838266	1450228	12-66	1	294	17,310	3.33	576	57	13,880	3.57	495	2-69	33			967	-.05	27					48	
23-28-0021	6915775	1458744	10-67	1	305	17,340	3.21	557	67	14,510	3.76	545	11-69	36			773	-.05	20					37	
23-28-0028	5347085	1270143	2-61	4	302	17,723	4.05	717	49	13,720	3.88	533	6-69	44			570	.06	29					39	
23-28-0028	6530656	1309574	9-65	3	305	19,857	3.81	756	35	14,273	3.80	543	1-70	42			871	.04	38					54	
23-28-0028	6564135	1320310	6-66	2	302	16,495	4.43	731	70	14,155	3.81	539	8-69	40			864	.03	36					52	
23-28-0029	5435369	1189870	8-61	3	305	18,883	3.68	695	7	14,010	3.90	546	1-69	42			783	-.02	26					42	
23-28-0029	6891218	1383247	7-67	1	305	21,850	3.27	714	12	14,750	3.93	580	1-70	35			918	-.12	16					37	
23-28-0030	6312898	1336050	3-65	3	301	15,600	3.48	543	52	11,737	3.64	427	10-69	42			839	-.02	28					45	
23-28-0030	6423969	1417208	9-65	2	284	16,820	3.29	553	45	11,555	3.60	416	7-69	40			918	-.03	29					48	
23-28-0040	6370171	1320310	2-65	3	304	15,687	3.50	549	41	12,690	3.78	480	9-69	42			937	-.07	24					44	
23-28-0041	4475600	1207444	11-57	6	305	18,588	3.81	708	17	14,035	3.68	517	10-68	38			895	.06	41					57	
23-28-0041	5658508	1189870	6-62	3	305	21,270	3.84	816	14	15,933	3.63	578	11-69	42			858	.04	37					53	
23-28-0041	5833219	1392774	12-62	4	305	18,050	4.01	723	23	14,487	3.76	544	4-69	44			531	.06	28					37	
23-28-0041	6367373	1441440	8-65	2	305	18,165	3.43	623	21	15,700	3.57	561	12-69	40			671	-.01	23					37	
23-28-0041	6580016	1441440	1-66	2	305	19,050	3.48	663	29	14,960	3.59	537	7-69	40			829	.00	30					46	
23-28-0043	6344538	1441440	7-65	3	305	17,323	3.53	611	18	13,996	3.66	512	12-69	42			777	-.01	27					43	
23-28-0043	6376803	1347940	8-65	1	305	20,760	3.07	638	10	14,170	3.77	534	5-69	36			1,062	-.07	28					51	
23-28-0043	6799149	1399824	5-67	1	305	16,810	4.03	678	17	13,870	3.84	532	8-69	36			614	.04	28					39	
23-28-0048	5223616	1189870	10-60	6	305	19,017	3.68	699	18	13,875	3.78	525	2-69	44			876	.00	31					48	
23-28-0054	6900633	1309574	10-66	2	305	20,440	3.63	741	14	15,725	4.00	629	9-69	40			729	.00	26					40	
23-28-0054	7044062	1471956	11-67	1	305	19,280	4.08	787	12	16,790	3.79	637	10-69	33			721	.01	27					41	
23-28-0062	6619690	1309574	9-66	2	305	20,560	3.11	640	15	14,295	3.74	534	11-69	40			872	-.05	24					43	
23-28-0067	6478668	1337741	12-65	3	296	18,020	3.77	679	11	14,577	3.81	555	12-69	42			714	.01	27					41	
23-28-0067	6927570	1399824	7-67	1	305	19,180	3.99	765	9	15,800	3.76	594	1-70	36			661	.04	30					42	
23-28-0069	5341426	1189870	2-61	4	302	19,990	3.99	797	17	14,813	3.68	545	2-69	44			867	.06	40					56	
23-28-0069	5863728	1189870	10-62	2	297	20,535	3.45	708	24	14,825	3.69	547	4-70	40			818	-.02	26					43	
23-28-0069	6095307	1320310	6-64	3	305	19,517	3.26	637	29	15,217	3.76	572	11-69	42			1,119	-.11	24					49	
23-28-0069	6385444	1309574	10-65	3	305	18,513	3.74	692	32	15,520	3.76	584	2-70	42			587	.03	26					37	
23-28-0069	6755961	1320310	2-67	1	305	18,820	3.86	726	32	15,090	3.78	571	10-69	35			955	-.04	29					49	
23-28-0080	5903520	1397693	11-62	5	301	22,164	3.19	706	15	16,088	3.70	596	2-70	32			997	-.11	19					42	
23-28-0080	5903521	1189870	2-63	4	305	23,850	3.37	804	17	15,665	3.70	580	3-69	44			1,249	-.05	37					63	
23-28-0080	6660854	1261857	9-66	2	305	20,295	4.24	861	14	16,565	3.62	600	3-70	40			847	.14	52					65	
23-28-0084	4801685	1189870	2-59	8	300	18,196	3.88	706	24	14,626	3.84	561	9-69	44			683	.02	28					41	
23-28-0084	4917986	1189870	6-59	8	305	19,088	3.65	696	24	14,970	3.83	574	12-69	44			758	-.02	25					40	
23-28-0084	6591409	1452607	10-65	2	305	18,170	4.44	807	36	15,600	3.82	596	10-69	36			699	.08	37					49	
23-28-0084	6685659	1471584	9-66	2	305	23,615	3.72	879	34	15,855	3.89	616	12-69	35			1,033	-.02	34					55	
23-28-0084	6788605	1261857	11-66	2	305	20,315	3.91	795	30	16,090	3.85	620	12-69	40			892	.08	44					60	
23-28-0084	6872703	1261857	5-67	1	304	18,980	4.23	803	51	14,550	3.87	563	8-69	36			805	.11	45					58	
23-28-0084	6951203	1261857	9-67	1	305	21,800	3.92	854	45	14,460	3.85	557	7-69	36			1,021	.08	49					67	
23-28-0086	5247154	1189870	10-60	6	305	21,042	3.20	673	21	15,660	3.70	580	7-69	44			930	-.08	21					42	
23-28-0086	5587333	1189870	9-61	7	303	19,439	3.79	737	18	13,694	3.81	522	8-69	44			952	.01	36					55	
23-28-0086	5768888	1199324	1-63	5	301	20,250	3.30	668	20	17,480	3.60	629	6-69	44			850	-.07	21					39	
23-28-0086	5982684	1199324	7-63	4	305	21,640	3.23	698	23	16,235	3.62	587	8-69	44			1,149	-.08	30					55	
23-28-0086	5982685	1199324	11-63	4	305	20,997	3.45	725	22	17,002	3.62	615	2-69	44			984	-.04	30					50	
23-28-0086	6235285	1347940	8-64	3	305	17,840	3.36	600	23	15,033	3.59	540	12-69	42			853	-.04	25					43	
23-28-0086	6839454	1399824	4-67	1	296	17,560	3.99	701	28	14,990	3.64	546	7-69	36			595	.05	29					40	
23-28-0102	6980244	1399824	12-66	2	305	19,660	3.52	693	12	15,900	3.62	576	3-70	40			774	.00	28					43	
23-28-0107	5342628	1189870	5-61	4	293	17,695	3.87	684	13	13,900	3.75	521	8-69	44			685	.03	29					42	
23-28-0107	6366546	1222994	5-65	4	292	17,970	3.61	648	11	14,168	3.73	529	2-70	44			757	-.02	25					40	
23-28-0114	5795031	1399824	10-62	5	303	17,810	3.99	710	12	14,650	4.05	593	1-70	44			763	.02	31					46	
23-28-0114	6636276	1309574	8-66	2	285	17,605	4.14	728	8	14,385	4.03	579	10-69	40			564	.06	29					39	
23-28-0115	5374479	1189870	7-61	7	294	19,309	3.60	696	32	14,407	3.88	559	11-69	44	</										

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES... FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C O REPT	.....C O W MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS
23-28-0202	6627377	1261857	10-66	2 305	17,045	3.53	601	21 14,270	3.74	534	12-69	40	727	.04	32	\$ 45
23-28-0202	6688405	1261857	1-67	1 297	18,250	3.70	675	10 14,520	3.84	558	5-69	36	752	.05	35	49
23-28-0204	6463689	1441440	8-65	2 305	23,755	2.92	694	20 15,730	3.59	565	1-70	40	1,239	-.10	30	57
23-28-0206	6838641	1261857	1-67	1 305	17,510	3.80	665	33 13,760	3.91	538	7-69	36	748	.06	36	49
23-28-0206	6911453	1261857	7-67	1 305	17,320	4.01	694	23 15,300	3.86	591	10-69	36	631	.08	35	45
23-28-0211	5344226	1189870	12-60	7 295	19,019	3.62	689	8 15,211	3.92	596	6-69	44	721	-.03	22	37
23-28-0211	5427014	1189870	8-61	6 304	17,392	4.16	724	7 14,765	3.79	560	10-69	44	563	.07	30	40
23-28-0211	5876337	1189870	8-63	3 304	22,017	3.72	819	7 16,660	3.90	649	2-69	42	869	-.01	30	47
23-28-0229	5668526	1189870	10-62	4 304	20,695	3.52	728	9 15,145	3.61	547	3-70	44	917	-.01	32	50
23-28-0229	6346163	1294703	11-64	4 300	19,073	3.15	601	23 15,150	3.51	532	11-69	43	877	-.09	18	38
23-28-0229	6387808	1320310	7-65	2 305	18,365	3.38	620	8 15,305	3.65	558	5-69	40	949	-.08	23	44
23-28-0229	6415347	1347940	11-65	2 305	19,200	3.18	610	10 15,750	3.67	578	3-69	40	904	-.06	23	43
23-28-0229	6653928	1447750	8-66	2 305	19,725	3.65	720	22 14,475	3.53	511	9-69	38	878	.01	33	50
23-28-0235	6856904	1261857	2-67	1 305	17,850	3.18	567	19 13,650	3.68	502	10-68	36	781	.02	31	46
23-28-0282	6678538	1320310	8-66	1 305	17,580	3.54	622	13 15,530	3.61	561	6-69	35	831	-.05	22	40
23-28-0282	6678539	1309574	12-66	1 305	22,540	3.20	722	13 15,170	3.65	554	6-69	36	805	-.01	27	43
23-28-0289	5616654	1199324	6-62	6 302	19,135	3.19	611	22 13,145	3.71	488	10-69	44	1,210	-.09	30	56
23-28-0289	6780184	1308570	1-67	1 305	20,480	3.81	781	14 15,090	3.65	551	5-69	28	744	.03	31	45
23-28-0289	6920423	1367353	9-67	1 305	21,170	3.68	780	23 13,160	3.55	467	10-69	35	717	.04	31	44
23-28-0289	7074632	1347940	3-68	1 305	18,330	3.81	698	5 14,550	3.79	551	3-70	36	856	.00	31	48
23-28-0296	6923134	1261857	8-67	1 305	20,200	3.82	771	14 16,130	3.79	612	11-69	36	790	.07	39	53
23-28-0304	5469755	1189870	11-61	6 299	18,865	3.72	702	26 15,522	3.58	555	2-70	44	665	.03	28	40
23-28-0304	5658859	1189870	9-62	6 299	18,418	3.68	678	32 15,042	3.52	530	8-69	44	663	.03	28	40
23-28-0304	5658861	1189870	10-62	4 305	19,523	3.68	718	31 15,330	3.48	534	11-69	44	752	.03	32	46
23-28-0304	6665334	1320310	9-66	2 152	18,625	3.10	578	29 15,695	3.36	528	11-69	8 40	940	-.08	22	43
23-28-0311	6779388	1330987	1-67	1 305	18,800	3.99	751	10 15,060	3.78	569	6-69	36	632	.06	32	43
23-28-0316	5923213	1189870	7-63	4 301	22,593	3.49	789	9 16,295	3.96	645	10-69	44	1,024	-.06	28	50
23-28-0316	5923689	1189870	6-63	5 305	18,788	3.74	703	9 14,690	3.98	585	8-69	44	752	-.01	25	40
23-28-0316	5924863	1189870	3-63	3 305	20,570	3.88	798	6 16,890	3.85	651	3-69	42	679	.02	27	40
23-28-0316	6680057	1399824	10-66	2 305	23,250	3.53	820	14 16,230	3.94	640	12-69	40	1,108	-.03	35	58
23-28-0316	6930179	1320310	12-67	1 305	18,540	3.58	663	16 16,720	3.89	650	12-69	35	823	-.07	19	37
23-28-0317	7008511	1320310	12-67	1 305	17,320	3.50	606	16 14,580	3.68	537	11-69	35	876	-.06	23	42
23-28-0321	6768951	1320310	7-66	1 305	16,590	3.65	606	39 13,490	3.61	487	7-69	35	895	-.04	26	45
23-28-0330	6633140	1320310	7-64	3 305	18,017	3.86	696	18 15,217	3.80	578	10-69	42	944	-.03	30	49
23-28-0330	6691814	1309574	5-66	2 305	17,600	3.95	695	10 14,280	3.80	542	6-69	40	573	.06	29	39
23-28-0338	6252707	1399824	1-65	2 305	23,670	3.60	853	15 15,710	3.57	561	3-69	40	1,198	.02	46	69
23-28-0338	6722425	1261857	12-66	2 305	20,010	3.80	760	24 16,345	3.63	593	1-70	40	838	.09	43	57
23-28-0338	6781934	1261857	8-66	2 305	16,750	3.53	592	30 14,930	3.60	538	9-69	40	637	.06	31	42
23-28-0340	6958245	1261857	8-67	1 266	15,860	3.94	625	5 14,150	3.67	519	7-69	36	599	.09	34	44
23-28-0340	6958247	1377954	8-67	1 305	21,100	3.68	776	8 16,380	3.82	626	11-69	36	741	.01	28	42
23-28-0342	6663660	1261857	7-66	2 298	16,455	3.45	567	17 14,510	3.67	532	11-69	40	645	.04	29	41
23-28-0342	6827756	1261857	1-67	2 303	17,010	3.91	665	18 14,470	3.63	525	10-69	40	705	.09	39	51
23-28-0342	6991307	1347940	9-67	1 305	18,020	3.22	580	19 14,760	3.70	546	11-69	36	819	-.04	23	40
23-28-0342	7002162	1347940	9-67	1 305	18,500	3.36	621	21 14,640	3.62	530	10-69	36	863	-.03	27	45
23-28-0344	5508670	1189870	8-61	2 305	18,905	4.28	810	17 15,740	3.81	599	5-69	40	569	.08	32	41
23-28-0344	6711050	1309574	5-66	2 305	18,795	3.67	690	27 15,060	3.90	588	9-69	40	623	.02	25	37
23-28-0344	6871062	1309574	3-67	1 305	19,100	4.27	815	18 15,580	3.74	583	5-69	36	522	.09	32	40
23-28-0346	6711623	1441440	11-65	2 305	17,445	3.87	675	12 14,800	3.66	542	6-69	40	680	.04	30	43
23-28-0348	6494032	1347940	12-65	1 305	16,920	4.20	710	50 13,950	3.74	522	9-68	36	791	.04	34	49
23-28-0348	6515716	1239242	4-66	2 304	17,495	4.03	705	45 14,480	3.74	541	9-69	40	579	.04	26	37
23-28-0348	6609106	1347940	3-66	2 305	16,340	3.67	600	23 14,440	3.76	543	3-69	40	734	-.01	25	40
23-28-0348	6723809	1239242	12-66	1 305	19,360	3.71	719	17 14,150	3.72	526	4-69	36	674	.00	24	37
23-28-0348	7052187	1261857	7-67	1 305	19,100	3.87	739	53 15,080	3.73	562	10-69	36	778	.08	40	53
23-28-0349	5706044	1189870	10-62	6 303	16,813	3.75	631	9 13,107	3.75	492	1-70	44	681	.01	26	39
23-28-0349	6757313	1261857	10-66	2 285	16,425	3.41	560	43 13,245	3.86	511	8-69	40	757	.02	30	45
23-28-0354	6478062	1309574	2-66	2 292	16,995	4.24	720	14 14,255	3.89	554	1-70	40	514	.09	31	39
23-28-0354	7199720	1261857	3-67	1 305	20,060	4.08	818	10 14,750	3.74	552	6-69	36	872	.10	46	61
23-28-0365	6474061	1320310	8-65	1 302	16,360	3.86	632	11 13,080	3.70	484	10-69	35	905	-.03	28	47
23-28-6008	6962138	1399824	9-67	1 305	20,220	3.63	733	41 15,230	3.72	566	1-70	36	777	.01	30	45
23-29-0006	6656147	1320310	8-66	2 288	17,700	3.46	612	22 15,330	3.71	569	7-69	40	879	-.07	21	40
23-29-0006	7113216	1320310	12-67	1 305	20,300	3.18	645	17 16,510	3.85	635	1-70	35	970	-.11	19	41
23-29-0084	6357925	1184848	3-65	3 305	18,983	3.58	679	8 13,617	4.02	548	12-69	42	657	.01	25	38
23-29-0085	5204575	1328633	8-60	3 305	20,113	3.66	736	17 14,280	3.80	543	5-69	29	836	-.01	28	45
23-29-0085	6389320	1337741	10-65	3 288	19,323	3.49	675	10 14,950	3.89	581	12-69	42	826	-.04	24	41
23-29-0085	6799248	1309574	1-67	2 305	18,625	3.88	722	15 15,455	3.69	571	3-70	40	569	.06	29	39
23-31-0009	4115195	1128308	12-55	8 294	20,334	3.42	696	13 14,461	3.62	524	7-69	44	788	-.04	23	40
23-31-0009	4299858	1243633	9-56	7 303	17,422	3.98	694	10 15,068	3.66	551	2-69	36	486	.08	29	37
23-31-0009	6597138	1436081	7-66	2 305	20,650	3.93	812	26 13,885	3.83	532	1-70	40	720	.05	34	47
23-31-0009	6612462	1119686	3-65	3 305	20,573	3.49	719	23 13,190	3.80	501	8-69	42	834	.01	31	47
23-31-0009	6923251	1458744	11-67	1 305	16,320	4.14	675	28 14,810	3.86	571	10-69	36	677	.02	27	40
23-31-0015	7155992	1456945	10-66	1 305	17,590	3.47	610	22 13,280	3.78	502	1-69	26	742	-.03	22	38
23-31-0023	5706186	1189870	12-62	5 292	18,162	3.90										

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS
23-31-0167	6931116	1441440	1-66	2 305	17,550	3.65	676	40 14,215	3.81	541 1-69	40 745	.02	30	\$ 44
23-31-0174	5423516	1189870	4-61	4 303	23,568	3.87	912	16 17,565	3.77	663 2-69	44 1,003	.03	41	60
23-31-0174	5450695	1347940	3-61	5 302	22,166	3.76	834	14 17,154	3.77	646 8-69	44 1,187	.00	43	66
23-31-0174	5969617	1338671	10-63	4 305	22,055	4.05	893	23 17,073	4.02	687 2-70	37 809	.05	37	52
23-31-0174	6412861	1360676	8-64	2 305	21,225	3.77	801	22 17,735	3.77	669 2-69	38 844	.01	32	48
23-31-0174	6623915	1347940	11-64	3 287	17,850	3.54	632	27 14,506	3.58	520 10-69	42 909	-.01	31	49
23-31-0174	6687214	1347940	11-66	1 305	18,990	3.39	643	29 15,810	3.50	553 3-69	36 821	-.02	27	44
23-31-0174	6760302	1360676	1-67	2 300	18,035	3.83	691	19 16,170	3.64	589 3-70	38 658	.03	28	40
23-31-0174	6789932	1360676	12-66	2 300	18,780	3.82	718	28 14,925	3.52	526 11-69	38 853	.04	37	53
23-31-0175	6429787	1347940	9-65	3 305	16,950	3.97	673	9 15,433	3.98	614 9-69	42 709	.00	26	40
23-31-0175	6527737	1347940	11-65	2 286	19,455	3.52	685	11 15,375	3.95	608 7-69	40 964	-.05	28	48
23-31-0175	6546316	1347940	9-65	3 305	17,576	4.19	737	9 15,266	3.97	606 8-69	42 799	.04	34	49
23-31-0175	6670874	1347940	9-66	2 253	20,945	3.85	806	10 17,020	3.86	657 12-69	40 965	.00	35	54
23-31-0176	5427156	1353154	9-61	4 305	20,695	3.81	789	8 16,005	3.90	624 10-69	42 516	.07	29	37
23-31-0176	6358368	1119686	9-63	4 305	20,758	3.92	813	10 15,198	3.78	575 10-69	44 695	.07	36	48
23-31-0216	6709647	1456945	9-66	2 301	15,615	4.34	677	39 12,780	3.76	481 10-69	32 661	.07	34	45
23-31-0216	6709649	1456945	9-66	2 305	19,395	3.51	680	30 13,140	3.79	498 2-70	32 1,060	-.03	33	55
23-31-0216	6709652	1456945	9-66	1 305	21,050	2.70	569	48 12,130	3.78	459 11-69	26 1,131	-.12	22	48
23-31-0216	6744709	1456945	1-66	2 300	17,480	4.03	705	24 14,065	3.70	521 3-70	32 743	.04	33	47
23-31-0216	6909042	1347940	7-67	1 305	21,610	4.10	887	56 13,210	3.72	491 12-69	36 1,190	.04	49	72
23-31-0216	7003865	1456945	8-67	1 305	17,870	3.23	577	43 12,790	3.82	489 8-69	26 804	-.06	20	37
23-31-0216	7003867	1456945	11-67	1 304	17,830	3.70	660	48 12,130	3.78	459 11-69	26 852	.00	30	47
23-31-0216	7003869	1456945	11-67	1 305	16,530	3.81	630	43 12,790	3.82	489 8-69	26 688	.00	25	39
23-31-0216	7003872	1456945	2-68	1 305	19,520	3.63	709	39 13,540	3.70	501 2-70	26 889	-.01	31	49
23-31-6003	4653586	1289911	7-58	8 303	19,128	3.69	705	14 14,406	3.60	518 11-68	36 847	.03	35	51
23-31-6003	6463756	1456945	7-65	2 305	18,400	3.47	638	22 14,365	3.78	543 2-69	32 818	-.04	23	40
23-31-6004	6160092	1425171	11-63	4 305	18,182	3.93	715	27 15,177	3.78	574 2-69	35 612	.03	27	38
23-31-6004	6463757	1456945	7-65	2 305	18,370	3.96	728	30 14,170	3.68	521 9-68	32 835	.04	36	52
23-31-6004	6709643	1456945	7-66	2 305	17,385	4.01	698	20 13,000	3.81	495 8-69	32 842	.03	35	51
23-31-6004	6709646	1456945	8-66	1 305	19,660	3.91	768	15 14,040	3.84	539 4-69	26 862	.01	33	50
23-31-6004	6709654	1456945	10-66	1 305	17,670	3.71	655	15 14,040	3.84	539 4-69	26 690	-.01	23	37
23-31-6004	6943376	1456945	1-67	1 305	16,800	4.36	733	16 13,180	3.85	507 5-69	26 681	.05	32	44
23-32-0012	6337485	1441440	3-65	3 293	15,276	4.14	633	52 12,350	3.53	436 3-69	42 711	.08	38	50
23-32-0012	6369592	1337741	9-65	2 305	17,350	3.48	604	56 12,410	3.61	448 3-69	40 804	-.01	28	44
23-32-0040	6054847	1427615	8-63	3 305	19,306	3.37	651	17 15,616	3.59	561 10-68	42 940	-.10	19	40
23-32-0040	6054849	1300014	3-64	4 301	18,037	3.69	665	13 13,115	3.80	499 8-69	44 864	-.07	21	40
23-32-0053	6704069	1399824	12-66	2 305	20,655	3.69	763	15 15,480	3.83	593 2-70	40 944	.01	34	52
23-32-0053	6704071	1399824	1-67	1 305	18,410	3.98	732	14 16,100	3.80	612 8-69	36 584	.04	27	38
23-32-0053	6704072	1399824	1-67	1 305	21,050	3.90	820	13 16,230	3.83	622 7-69	36 772	.03	32	47
23-32-0058	6495249	1441440	9-65	3 305	18,800	3.92	737	20 15,863	3.72	590 11-69	42 753	.05	34	48
23-32-0058	6944415	1399824	12-66	1 305	22,080	3.90	862	16 16,750	3.93	658 9-69	36 814	.02	33	49
23-32-0118	6794493	1261857	7-66	2 302	16,050	3.88	623	7 14,185	3.72	527 9-69	40 633	.08	35	45
23-32-0123	6513925	1320310	4-66	3 291	15,730	3.72	585	28 14,013	3.75	525 1-70	42 804	-.04	23	40
23-32-0123	6854326	1441440	4-67	1 305	18,820	3.86	727	26 14,650	3.84	563 1-70	35 748	.02	30	44
23-33-0018	7236691	1320310	1-68	1 305	20,410	3.17	646	35 16,720	3.68	616 11-69	35 964	-.10	20	42
23-33-0019	6924104	1427615	11-67	1 305	23,170	3.53	818	12 17,070	3.64	622 12-69	35 1,024	-.09	24	46
23-33-0024	7011944	1309574	7-67	1 305	20,600	3.57	735	12 14,930	3.56	531 12-69	36 677	.03	29	42
23-33-0067	4902391	1312269	9-59	6 256	18,786	4.55	666	11 13,770	3.54	488 9-69	38 850	.00	30	47
23-33-0082	6338257	1406271	7-65	2 305	16,290	4.06	661	13 13,200	3.44	454 1-69	40 737	.09	40	52
23-33-0082	6472257	1309574	8-65	2 305	16,975	3.38	573	12 12,145	3.63	441 10-69	40 704	.00	26	40
23-34-0005	7153512	1347940	12-66	1 305	18,950	3.26	618	9 13,780	3.58	493 8-69	36 954	-.04	29	49
23-34-0005	7153513	1347940	2-67	1 305	15,490	3.82	591	9 13,780	3.58	493 8-69	36 696	.01	27	40
23-34-0005	7176393	1347940	11-66	1 305	17,600	3.67	646	9 13,780	3.58	493 8-69	36 853	.00	31	48
23-34-0006	5644217	1347940	5-62	5 300	15,852	3.53	560	14 13,306	3.55	473 7-69	44 819	-.01	28	44
23-34-0006	5813029	1347940	10-62	6 291	15,891	3.66	582	19 13,518	3.53	477 2-70	44 799	.01	31	46
23-34-0006	6677980	1347940	12-66	2 305	16,125	3.59	579	13 13,630	3.48	475 12-69	40 786	.00	29	44
23-34-0006	6955555	1347940	9-67	1 305	22,200	3.35	743	12 13,220	3.49	461 12-69	36 1,233	-.03	40	65
23-34-0006	6955556	1347940	10-67	1 305	18,670	3.81	711	18 13,070	3.55	464 1-70	36 980	.02	38	57
23-34-0007	6720021	1347940	11-66	1 305	18,750	3.61	677	26 14,110	3.66	517 10-69	36 917	-.01	32	50
23-34-0016	6353712	1347940	5-64	3 305	17,843	3.48	621	9 13,790	3.97	548 3-69	42 982	-.06	27	48
23-34-0016	6353718	1347940	3-65	3 305	17,883	3.75	671	5 14,603	3.69	539 12-69	42 903	.00	33	51
23-34-0016	6353719	1347940	4-64	4 287	17,002	3.70	629	9 13,847	3.89	538 7-69	44 894	-.02	29	47
23-34-0016	6729084	1347940	11-65	1 305	18,340	3.45	633	6 13,830	3.88	537 2-69	36 905	-.04	27	46
23-34-0016	6729085	1347940	1-66	1 305	18,330	3.70	678	6 14,720	3.61	531 12-68	36 845	.00	31	48
23-34-0016	6951805	1347940	7-66	1 305	19,100	3.57	682	6 14,150	3.66	518 1-69	36 940	-.01	32	51
23-34-0016	6951809	1347940	2-67	1 305	19,130	3.63	694	6 13,500	3.73	503 9-69	36 986	-.01	34	54
23-34-0018	6345224	1347940	4-65	3 305	20,703	3.27	678	11 16,846	3.59	605 10-69	42 995	-.06	27	48
23-34-0018	6717262	1347940	1-67	1 305	20,540	3.93	808	18 18,030	3.67	661 8-69	36 787	.02	32	47
23-34-0018	6836867	1347940	3-67	1 305	20,280	3.75	761	18 18,030	3.67	661 8-69	36 768	.00	28	43
23-34-0018	6959278	1471956	12-67	1 305	22,280	3.49	777	12 17,200	3.68	633 1-70	33 929	-.05	26	46
23-34-0026	5595146	1347940	2-62	5 297	16,356	3.79	620	7 13,732	3.68	506 10-68	44 835	.01	32	48
23-34-0026	6467626	1347940	12-65	2 305	16,170	3.70	598	12 14,465	3.63	525 3-69	40 714	.00	26	40
23-34-0042	6365134	1347940	4-65	2 305	17,665	4.00	706	18 13,745	3.74	514 8-69	40 932	.03	38	56
23-34-0054	6779988	1347940	3-67	1 305	18,060	4.01	724	10 15,660	3.61	566 5-69	36 761	.03	32	46
23-34-0054	6954975	1347940	2-66	2 305	17,380	3.69	642	9 15,210	3.59	546 9-69	40 769	.01	29	44
23-34-0054	7267049	1347940	4-67											

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COH'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8) FAT (%) FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8) FAT (%) FAT (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8) FAT (%) FAT (L8)	I N D E X..... FAT (%) FAT (L8) OOL-LARS
23-34-0062	6732957	1347940	2-67	2 305 23,805 3.32 790	13 18,315 3.49 640	3-70 40	1,137 -.04 35	\$ 59
23-34-0062	6788628	1347940	2-67	1 305 24,750 3.16 782	27 17,440 3.43 598	6-69 36	1,140 -.05 34	58
23-34-0062	6951034	1471956	11-67	1 295 20,720 3.53 732	27 18,170 3.57 648	11-69 8 33	737 -.03 22	37
23-34-0063	5955128	1347940	2-63	4 305 18,175 3.42 622	12 14,990 3.38 506	7-69 44	912 -.01 32	50
23-34-0073	5642116	1189870	8-62	5 304 21,164 3.48 736	11 14,462 3.49 505	7-69 44	1,085 -.01 38	60
23-34-0073	6036802	975138	2-61	3 305 20,593 3.43 706	12 14,893 3.42 509	2-69 42	896 -.04 26	45
23-34-0073	6591970	1469311	4-66	2 305 19,855 3.34 663	15 15,960 3.41 545	3-69 40	627 -.02 25	37
23-34-0073	6850640	1347940	3-67	1 282 19,330 3.52 681	14 14,910 3.62 539	11-69 36	906 -.01 31	49
23-34-0073	7105683	1347940	9-67	1 305 19,250 3.30 636	14 14,910 3.62 539	11-69 36	900 -.04 27	46
23-34-0073	7105685	1347940	1-68	1 305 17,340 2.96 513	11 14,100 3.62 511	3-70 36	812 -.06 20	38
23-34-0073	7290885	1347940	2-68	1 305 19,210 3.31 636	21 14,980 3.61 541	1-70 36	893 -.04 27	46
23-34-0078	5683568	1189870	8-62	4 298 17,390 4.02 699	17 14,508 3.58 519	3-70 44	580 .07 31	41
23-34-0078	6078000	1347940	3-64	4 283 17,092 3.21 549	5 14,272 3.52 502	8-69 44	858 -.05 24	42
23-34-0078	6353468	1347940	11-64	4 295 16,182 3.52 570	8 14,127 3.55 501	1-70 44	762 -.01 26	41
23-34-0079	6773505	1347940	7-66	2 303 18,010 3.96 714	17 15,565 3.73 581	11-69 40	800 .03 33	48
23-34-0079	6773506	1347940	1-67	2 305 19,080 3.76 718	14 15,695 3.75 589	1-70 40	897 .00 33	51
23-34-0079	6773513	1347940	12-66	2 292 20,800 3.46 719	17 15,525 3.74 581	11-69 40	1,087 -.03 34	56
23-34-0079	6938989	1347940	7-67	1 303 16,760 3.79 635	19 14,600 3.68 538	9-69 36	736 .00 27	42
23-34-0081	7249967	1347940	4-67	1 305 17,070 3.73 636	6 12,930 3.43 444	6-69 36	871 .02 34	51
23-34-0082	6420361	1347940	8-65	2 305 17,980 3.42 615	6 13,165 3.63 478	6-69 40	1,017 -.03 32	53
23-34-0082	7048344	1471956	11-67	1 305 17,580 3.48 611	6 13,480 3.58 483	2-70 33	823 -.04 24	41
23-34-0089	6610558	1347940	10-65	3 305 16,613 3.53 586	12 13,756 3.67 505	11-69 42	844 -.02 27	44
23-34-0089	6610561	1347940	7-66	2 305 15,390 3.86 594	14 13,665 3.64 498	9-69 40	708 .02 28	42
23-34-0089	7197933	1347940	5-67	1 305 16,460 3.51 578	7 13,090 3.71 485	5-69 36	814 -.02 27	44
23-34-0093	6628260	1347940	2-65	4 302 17,697 4.22 747	13 15,587 3.73 581	2-70 44	787 .07 39	53
23-34-0093	6628264	1347940	3-65	4 286 17,325 3.98 689	13 15,190 3.77 573	4-70 44	785 .03 33	48
23-34-0093	6628267	1347940	4-65	4 294 18,547 3.62 671	15 15,575 3.72 580	2-70 44	893 -.01 30	48
23-34-0094	6127803	1347940	7-64	4 305 20,872 3.52 734	9 15,802 3.72 588	11-69 44	1,155 -.03 37	61
23-34-0094	6127804	1347940	8-64	4 297 18,255 3.39 619	13 15,367 3.69 567	9-69 44	880 -.05 25	44
23-34-0094	6166174	1347940	12-64	4 305 19,160 3.80 729	7 15,807 3.75 593	3-70 44	943 .01 36	54
23-34-0094	6315457	1347940	3-65	2 305 20,205 3.30 667	8 16,565 3.92 649	12-68 40	932 -.08 22	42
23-34-0094	6416171	1347940	11-65	3 300 19,220 3.67 705	6 17,196 3.70 637	12-69 42	788 -.01 27	43
23-34-0094	6457340	1347940	10-65	2 305 20,295 3.62 734	14 15,490 3.80 589	5-69 40	1,039 -.02 34	55
23-34-0094	6650401	1347940	10-66	2 305 21,450 3.28 704	9 16,755 3.58 600	11-69 40	1,041 -.05 30	52
23-34-0098	5774735	1189870	3-63	5 302 18,340 3.80 697	18 14,632 3.75 548	12-69 44	701 .02 28	41
23-34-0098	5815654	1189870	4-63	4 305 17,813 4.11 733	21 15,288 3.63 555	4-69 44	545 .08 31	40
23-34-0098	6443623	1347940	2-65	4 305 18,305 3.94 721	10 15,515 3.76 583	3-70 44	870 .03 36	52
23-34-0098	6812706	1347940	11-66	2 305 17,415 3.81 664	26 15,605 3.78 590	12-69 40	736 .00 27	42
23-34-0098	7073905	1347940	10-66	2 300 16,945 4.05 686	9 14,890 3.91 582	3-70 40	754 .02 30	44
23-34-0098	7073906	1347940	10-66	1 305 21,990 3.23 710	28 15,870 3.73 592	9-68 36	1,040 -.06 29	51
23-34-0098	7128025	1347940	9-66	2 305 17,770 3.45 613	25 15,940 3.78 602	12-69 40	742 -.04 21	37
23-34-0099	6494506	1347940	4-65	2 305 17,630 2.94 519	8 13,700 3.45 473	2-70 40	932 -.07 23	43
23-34-0099	6792211	1347940	11-66	2 298 15,305 3.54 542	6 13,805 3.44 475	3-70 40	687 .00 25	39
23-34-0102	6449181	1347940	8-65	2 278 17,885 4.43 793	9 14,760 3.55 524	1-70 40	861 .10 46	61
23-34-0104	6788969	1347940	3-67	1 305 23,950 3.62 867	5 17,130 3.42 585	6-69 36	1,102 .01 41	63
23-34-0104	6788970	1347940	3-67	1 305 20,570 3.42 703	7 17,080 3.41 583	7-69 36	853 -.01 29	46
23-35-0022	6865544	1347940	9-65	2 305 18,100 3.49 632	26 15,115 3.66 553	12-68 40	851 -.03 27	44
23-35-0022	6930128	1347940	1-66	2 300 18,045 3.77 681	17 14,775 3.65 539	11-69 40	876 .02 34	51
23-35-0022	7127912	1347940	10-66	2 305 16,775 3.46 581	18 15,195 3.61 548	1-70 40	709 -.02 23	37
23-35-0022	7250122	1347940	3-67	1 305 15,630 3.91 611	17 13,210 3.74 494	8-69 36	745 .01 28	43
23-35-0023	5271169	1178303	10-60	3 305 19,460 3.64 708	8 14,680 3.51 516	4-69 34	813 .00 30	46
23-35-0023	5525518	1178303	10-61	5 302 19,928 3.38 674	14 15,200 3.57 542	2-69 36	879 -.05 24	43
23-35-0023	6715883	1347940	8-65	3 305 18,096 3.37 610	14 15,586 3.52 549	1-70 42	825 -.03 25	42
23-35-0023	6740633	1347940	2-66	2 305 17,515 3.58 627	12 15,680 3.52 552	11-69 40	740 .00 27	42
23-35-0023	6740634	1347940	2-66	2 297 17,435 3.52 613	14 15,515 3.47 539	9-69 40	747 .00 27	42
23-35-0023	6781528	1347940	2-66	2 305 17,920 3.24 580	14 15,515 3.47 539	9-69 40	796 -.04 23	40
23-35-0023	6960224	1347940	10-66	2 304 18,450 3.45 636	12 15,560 3.55 552	12-69 40	846 -.02 28	45
23-35-0028	6630366	1347940	7-66	1 305 18,110 3.67 665	18 13,810 3.84 530	9-68 36	889 -.01 30	48
23-35-0028	6630367	1347940	8-66	2 305 17,850 3.71 663	14 14,040 3.77 529	9-69 40	923 .00 33	51
23-35-0028	6864881	1347940	8-67	1 278 16,420 3.50 575	9 14,050 3.73 524	8-69 36	747 -.02 24	39
23-35-0035	6565681	1330987	9-65	3 279 16,953 3.58 607	15 12,603 3.72 469	10-69 42	798 .02 32	47
23-35-0035	6681279	1330987	7-66	2 303 15,455 3.56 550	17 12,690 3.62 460	7-69 40	592 .03 26	37
23-35-0035	6919477	1347940	7-67	1 305 17,950 3.83 688	22 12,950 3.62 469	9-69 36	935 .02 36	54
23-35-0035	6955419	1347940	8-67	1 305 20,830 3.61 753	8 14,670 3.54 520	1-70 36	1,034 .00 37	58
23-35-0035	6955421	1347940	9-67	1 305 16,580 3.74 620	8 14,880 3.59 534	3-70 36	703 .00 26	40
23-35-0055	6749064	1347940	1-67	1 305 18,940 3.59 679	11 16,300 3.74 610	12-69 36	784 -.02 26	42
23-35-0080	6432674	1347940	7-65	3 301 18,886 3.60 679	16 13,086 3.61 473	10-69 42	1,175 -.01 41	65
23-35-0080	6432675	1347940	8-65	2 305 17,110 3.37 576	16 12,975 3.56 462	2-69 40	946 -.03 30	49
23-35-0080	6785006	1347940	11-66	1 292 18,450 3.51 647	18 13,960 3.65 510	10-69 36	904 -.02 30	48
23-35-0080	6785007	1347940	3-67	1 305 17,560 3.45 605	13 14,860 3.70 550	11-69 36	778 -.03 24	40
23-35-0080	7078833	1347940	1-68	1 305 20,930 3.25 680	16 14,800 3.60 533	1-70 36	1,033 -.04 31	53
23-35-0082	6373335	1347940	8-65	3 305 21,033 3.52 741	16 16,373 3.59 587	11-69 42	1,082 -.02 36	58
23-35-0082	6373336	1347940	9-65	3 305 20,473 3.84 787	17 16,923 3.55 600	2-70 42	960 .04 40	58
23-35-0082	6610014	1469311	5-66	2 302 20,305 3.69 750	26 17,400 3.53 614	11-69 40	540 .06 28	37
23-35-0082	6610017	1347940	9-66	2 305 21,385 3.36 719	21 17,545 3.53 620	12-69 40	962 -.03 30	50
23-35-0082	6664742	1347940	9-66	1 305 18,380 3.39 624	16 14,800 3.66 541	7-69 36	843 -.03 26	43
23-35-0082	6871806	1347940	5-67	1 305 18,650 4.00 746	10 15,740 3.60 567	4-69 36	800 .03 34	49
23-35-0097	6133639	1417208	9-64	4 305 18,697 3.77 704	24 15,367 3.52 541	9-69 44	814 .04 35	50
23-35-0097	6294850	1244845	5-65	3 301 21,310 3.31 705	20 15,447 3.56 550	10-69 42	912 -.07 22	42
23-35-0099	6506869	1455668	1-66	2 305 19,220 3.49 670	27 14,420 3.57 515	6-69 28	793 -.02 25	41
23-35-0099	6900158	1261857	7-67	1 305 17,700 3.48 616	22 13,900 3.60 500	10-69 36	753 .05 35	49
23-35-0107	5681654	1199324	10-62	3 305 18,556 3.73 692	7 15,540 3.66 569	3-69 42	829 .00 30	46
23-35-0114	6841486	1347940	3-67	1 305 16,540 3.66 605	14 14,510 3.80 552	11-69 36	725 -.01 24	39
23-35-0117	6461277	1347940	8-65	2 305 17,005 3.72 633	11 13,680 3.65 500	10-69 40	871 .00 32	49
23-36-0006	5262071	1189870	6-60	6 305 18,538 3.93 729	12 15,968 3.67 586	1-70 44	571 .05 28	38

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..OOL- LARS
23-36-0006	5516060	1189870	2-61	7 304	20,491	3.10	635	9 15,003	3.71	556	9-69	44	935	-.10	19	\$ 40
23-36-0010	5172878	1189870	6-60	7 305	20,723	3.45	714	13 15,906	3.75	597	4-69	44	861	-.04	25	43
23-36-0010	5247010	1189870	12-60	7 297	18,254	4.08	744	13 15,739	3.80	598	7-69	44	561	.05	28	38
23-36-0010	5711978	1189870	8-62	4 305	20,530	3.37	692	15 16,235	3.79	615	12-69	44	775	-.05	20	37
23-36-0010	6218830	1337741	7-64	4 302	20,515	3.44	706	12 16,760	3.73	625	3-70	43	801	-.04	23	40
23-36-0010	6245458	1320310	9-64	4 300	19,370	3.66	708	20 15,948	3.79	604	10-69	43	1,040	-.06	29	51
23-36-0011	5253605	1189870	11-60	7 297	20,063	3.61	724	11 15,897	3.89	619	10-69	44	776	-.03	23	39
23-36-0014	5009474	1189870	1-60	7 298	18,967	3.67	697	5 15,254	3.78	577	12-68	44	710	.00	25	39
23-36-0014	5481972	1189870	11-61	6 300	18,065	3.92	709	7 14,407	3.87	557	7-69	44	692	.03	29	42
23-36-0014	5621598	1189870	4-62	6 302	20,193	3.54	715	6 15,263	3.79	578	12-69	44	867	-.03	27	45
23-36-0014	6425799	1347940	11-65	2 305	17,415	3.54	617	7 13,895	3.95	549	5-69	40	893	-.04	26	45
23-36-0023	6517464	1441440	10-65	2 305	20,520	3.55	729	20 15,705	3.72	584	12-68	40	911	-.01	32	50
23-36-0024	6431294	1303198	12-65	2 294	18,050	3.51	633	7 12,600	3.87	488	5-69	40	719	-.03	22	37
23-36-0025	5610703	1189870	7-62	3 300	19,480	3.39	660	11 15,013	3.72	559	10-69	42	748	-.04	21	37
23-36-0025	6664539	1399824	10-66	1 305	20,690	3.53	731	13 17,370	3.66	636	5-69	36	669	.01	25	38
23-36-0025	6857413	1399824	3-67	1 305	21,060	3.62	762	11 16,100	3.61	581	6-69	36	781	.02	31	46
23-36-0031	6419910	1320310	8-65	3 305	16,730	3.95	660	22 15,200	4.05	615	7-69	42	796	-.05	22	39
23-36-0031	6713608	1309574	9-66	2 305	20,480	3.66	750	30 15,335	3.94	604	10-69	40	769	.01	29	44
23-36-0031	6928873	1399824	3-67	1 305	18,490	4.41	815	12 15,300	3.96	606	5-69	36	644	.07	33	44
23-36-0032	4839007	1189870	1-59	5 305	17,470	3.92	685	12 14,188	3.85	546	2-69	44	640	.03	27	39
23-36-0032	5442822	1189870	7-61	7 293	17,557	4.30	755	11 14,579	3.86	563	3-70	44	606	.08	34	44
23-36-0032	5442823	1189870	8-61	5 298	19,988	3.77	753	13 14,456	3.86	558	4-69	44	934	.00	34	52
23-36-0032	6581479	1347940	1-66	2 286	17,090	3.70	633	21 13,545	3.82	518	8-69	40	892	-.01	31	49
23-36-0035	6970611	1399824	3-67	1 305	18,100	3.89	704	38 12,880	4.00	515	8-69	36	777	.02	31	46
23-36-0046	6153144	1320310	7-64	4 302	17,913	3.80	680	27 14,150	4.01	567	8-69	43	1,060	-.05	30	52
23-36-0046	6563977	1309574	3-66	2 303	18,130	4.28	776	16 15,400	3.91	602	3-69	40	524	.09	32	40
23-36-0046	6702426	1320310	8-66	2 305	17,270	4.04	698	36 15,315	3.94	603	1-70	40	837	-.02	27	44
23-36-0046	6829812	1309574	2-67	2 305	19,975	3.48	696	12 15,405	3.84	591	4-70	40	711	.00	25	39
23-36-0046	7011237	1320310	9-67	1 305	21,250	3.32	706	39 15,110	4.03	609	10-69	35	1,137	-.11	25	50
23-36-0049	6309702	1330987	12-64	3 298	15,007	4.10	615	11 12,960	3.72	482	7-69	42	537	.08	31	40
23-36-0052	6755656	1337741	3-67	1 305	18,450	3.96	730	8 11,520	4.11	474	9-69	35	841	.01	32	48
23-36-0053	6759763	1309574	3-67	1 305	19,940	3.32	663	14 14,350	3.60	516	6-69	36	667	.01	25	38
23-36-0056	5165547	1099477	8-60	4 305	18,288	3.72	680	8 13,318	3.84	511	6-69	44	637	.02	26	38
23-36-0057	5353882	1189870	6-61	7 295	18,793	3.67	690	12 14,956	3.93	588	2-70	44	722	-.02	23	38
23-36-0057	5639553	1189870	8-62	4 305	20,988	3.39	712	14 15,063	3.84	578	3-70	44	962	-.06	26	47
23-36-0057	5782892	1189870	3-63	5 302	21,716	3.34	725	19 14,398	3.85	554	11-69	44	1,164	-.07	31	56
23-36-0057	5895329	1411220	9-63	4 305	21,228	3.35	712	17 15,350	3.87	594	2-70	30	915	-.09	20	40
23-36-0057	6371330	1320310	7-65	2 305	18,605	3.60	669	17 14,575	3.87	564	10-69	40	1,041	-.06	28	50
23-36-0057	6371331	1320310	7-65	2 305	20,190	3.78	763	19 14,060	3.88	546	8-69	40	1,250	-.04	39	65
23-36-0057	6371332	1320310	8-65	2 300	19,175	4.07	781	20 16,000	3.86	618	12-69	40	968	-.01	34	53
23-36-0058	6349836	1436081	10-64	4 297	20,200	3.93	794	7 15,480	3.73	578	1-70	44	634	.07	33	44
23-36-0059	6639739	1320310	6-66	2 305	16,945	3.45	584	13 13,810	3.89	537	2-70	40	942	-.09	21	42
23-36-0059	6774466	1320310	12-66	2 304	17,560	3.34	586	10 13,655	3.91	534	3-70	40	1,019	-.10	22	45
23-36-0061	5716984	1270143	12-62	4 303	18,573	4.51	838	12 16,168	3.75	607	8-69	44	403	.15	36	40
23-36-0061	6660043	1399824	10-66	2 305	19,620	4.04	792	9 16,095	3.98	640	1-70	40	752	.04	33	47
23-36-0061	6660044	1399824	10-66	2 301	17,900	4.01	718	10 16,075	3.94	634	10-69	40	579	.04	26	37
23-36-0065	5733783	1270143	12-62	4 304	19,530	3.70	723	29 15,433	3.56	550	10-69	44	603	.04	28	39
23-36-0065	6872922	1320310	8-67	1 305	19,690	3.56	700	11 15,850	3.77	598	10-69	35	969	-.06	26	47
23-36-0067	5333421	1347715	1-61	6 305	16,867	4.06	685	18 14,252	3.87	552	11-69	36	646	.05	30	42
23-36-0067	6668711	1347940	11-66	1 305	18,090	3.38	611	9 14,510	3.76	545	4-69	36	841	-.04	25	43
23-36-0077	5684485	1350523	10-62	1 305	20,460	4.01	821	15 11,800	3.76	444	10-69	22	670	.05	32	44
23-36-0079	5821366	1189870	12-62	4 305	19,475	4.13	805	11 16,568	3.92	650	6-69	44	608	.06	30	41
23-36-0079	5966800	1428022	11-63	3 305	20,973	4.05	849	15 16,287	4.00	652	1-69	29	701	.03	30	43
23-36-0099	5682468	1192713	7-62	5 305	18,546	3.24	601	10 14,292	3.74	535	6-69	44	893	-.08	21	41
23-36-0099	5955634	1244009	7-63	4 305	19,345	3.77	730	14 14,885	3.67	547	3-69	44	975	-.01	33	53
23-36-0101	6197397	1320310	10-64	3 305	16,387	3.64	596	16 14,407	3.73	537	11-68	42	839	-.05	23	41
23-36-0106	4588033	1099477	10-56	4 305	20,845	4.12	858	14 13,783	3.74	515	10-69	44	901	.10	47	62
23-36-0110	5189944	1189870	3-60	5 305	19,104	4.18	799	16 15,608	3.95	616	4-69	44	686	.06	33	45
23-36-0110	6871713	1399824	3-67	1 305	22,160	3.38	749	35 16,440	3.99	656	11-69	36	841	-.04	25	43
23-36-0110	6871714	1309574	3-67	1 305	21,900	4.24	928	36 16,380	3.96	648	11-69	36	677	.08	36	47
23-36-0115	6337508	1441440	5-65	3 305	15,733	3.86	607	60 13,423	3.64	489	9-69	42	651	.04	29	41
23-36-0115	6408037	1441440	8-65	3 305	17,160	3.84	659	51 13,820	3.60	498	11-69	42	776	.05	35	49
23-36-0115	6934946	1309574	4-67	1 299	17,830	4.02	716	62 13,810	3.79	524	8-69	36	546	.06	28	37
23-36-0120	6197279	1330987	1-65	3 298	15,447	3.85	595	17 11,967	3.90	467	7-69	42	690	.04	31	44
23-36-0121	5688793	1290182	7-62	3 305	21,117	3.43	724	19 14,757	3.56	525	8-69	42	737	-.02	24	39
23-36-0121	6456248	1347940	12-65	2 305	17,905	3.59	643	21 14,465	3.66	529	11-69	40	890	-.01	31	49
23-36-0121	6845946	1347940	7-67	1 304	19,160	3.32	636	25 15,120	3.66	554	10-69	36	880	-.04	26	44
23-36-0128	5968683	1189870	6-63	4 304	19,118	3.70	707	11 15,665	3.81	597	1-70	44	664	.00	24	37
23-36-0128	5968686	1189870	10-63	4 305	20,600	3.24	668	16 15,313	3.85	590	7-69	44	887	-.09	19	39
23-36-0129	5514751	1189870	4-60	3 305	19,793	4.31	853	14 15,517	3.92	608	7-69	42	732	.08	38	51
23-36-0130	5815310	1189870	2-63	4 305	17,863	3.64	650	12 14,263	3.62	517	8-69	44	665	.01	25	38
23-36-0139	5343140	1347940	3-61	6 301	19,053	3.57	681									

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%) (L8)	FAT (%) (L8)	DOL- LARS
23-36-0156	6092479	1189870	2-64	4 305 22,715 2.65 603	8 14,818 3.41 506	9-69	44	1,203	-.15	21	\$ 49
23-36-0156	6350056	1320310	3-65	3 305 18,410 3.16 582	7 15,787 3.30 521	7-69	42	930	-.07	23	43
23-36-0177	6240713	1320310	8-64	3 305 17,153 3.75 643	7 14,533 3.81 553	1-70	42	915	-.04	27	46
23-36-0181	5703663	1335588	11-62	5 305 20,160 3.48 701	13 14,310 3.88 555	9-69	39	1,039	-.10	23	46
23-36-0187	5440058	1189870	11-61	6 294 18,553 3.90 724	7 15,335 3.71 569	7-69	44	647	.04	29	41
23-36-0187	5875730	1189870	8-63	4 302 18,078 3.94 713	13 15,083 3.81 575	3-69	44	601	.04	27	38
23-36-0211	6392737	1347940	10-65	2 305 17,780 4.05 720	7 16,185 3.77 610	4-69	40	720	.03	31	44
23-36-0211	6629804	1347940	4-66	2 305 18,310 3.95 723	13 15,080 3.78 570	10-69	40	875	.02	35	52
23-36-0211	6717637	1244009	8-66	1 305 19,170 3.82 733	15 15,710 3.77 592	10-68	36	737	-.03	22	37
23-36-0211	6972847	1347940	10-67	1 305 19,270 3.49 672	17 15,270 3.73 569	10-69	36	878	-.02	28	46
23-36-0234	5757107	1210455	11-62	5 305 19,522 4.26 832	12 16,408 3.75 616	3-70	39	540	.13	38	46
23-36-0234	6396662	1347940	9-65	2 305 23,345 3.38 788	22 15,020 3.93 590	10-69	40	1,392	-.07	40	69
23-36-0234	6571181	1347940	4-66	2 305 18,100 3.72 673	31 13,610 3.75 511	11-69	40	988	.00	35	55
23-36-0234	6664385	1441440	3-66	2 305 21,240 3.32 705	19 15,065 3.80 572	6-69	40	1,043	-.04	31	53
23-36-0236	6416575	1441440	8-65	1 305 18,620 3.99 743	20 15,720 3.91 614	12-69	35	660	.03	28	40
23-36-0241	6409710	1441440	4-65	3 302 16,823 3.61 607	10 13,406 3.73 500	6-69	42	780	.00	28	43
23-36-0250	5761857	1189870	11-62	5 305 17,618 4.09 720	11 13,550 3.78 512	2-70	44	733	.06	35	48
23-36-0252	5899361	1243106	2-63	3 302 21,590 3.32 717	18 14,743 3.78 558	8-69	42	776	-.05	20	37
23-36-0252	5899365	1399824	5-63	5 302 16,838 3.68 619	17 14,192 3.81 541	12-69	44	691	.00	25	39
23-36-0252	6452736	1320310	10-65	2 305 17,840 3.64 650	26 14,425 3.87 558	9-68	40	976	-.06	26	47
23-36-0259	5732192	1388663	12-62	5 258 21,458 4.15 890	16 15,676 3.76 589	10-69	39	970	.11	51	68
23-36-0259	6512114	1347940	11-65	2 300 17,620 3.85 679	14 15,455 3.77 582	11-68	40	771	.01	29	44
23-36-0259	6512118	1445198	3-66	2 305 18,860 4.00 754	14 15,060 3.57 538	7-69	30	694	.08	37	49
23-36-0259	6512119	1445198	3-66	1 305 18,880 3.90 737	13 14,740 3.61 532	5-69	24	621	.05	30	41
23-36-0259	6622810	1445198	5-66	2 304 18,185 3.64 662	13 15,055 3.65 550	6-69	30	614	.02	25	37
23-36-0259	6622813	1445198	6-66	2 305 17,955 4.51 810	13 14,670 3.78 555	11-69	30	628	.13	42	51
23-36-0259	6784785	1445198	9-66	1 305 19,990 3.62 723	13 14,740 3.61 532	5-69	24	720	.02	29	43
23-36-0308	6652956	1347940	3-66	2 305 20,605 3.59 740	11 16,320 3.63 593	8-69	40	995	-.01	35	55
23-36-0308	6843578	1347940	3-67	1 305 18,670 3.79 707	12 16,400 3.76 616	6-69	36	757	.00	27	42
23-36-0310	6649239	1347940	5-66	2 286 15,745 4.13 650	11 13,300 3.78 503	2-70	40	777	.04	34	48
23-36-0310	6966307	1347940	2-67	1 305 15,740 3.55 559	14 12,240 3.84 470	10-69	36	818	-.02	26	43
23-36-0310	6966308	1347940	4-67	1 305 15,440 3.56 549	14 12,240 3.84 470	10-69	36	795	-.02	25	41
23-36-0313	5986243	1192713	7-62	5 304 19,874 3.79 753	12 14,978 3.66 548	9-69	44	984	.02	39	58
23-36-0313	6012468	1189893	2-62	3 298 17,030 3.90 665	22 14,570 3.41 497	5-69	8 41	500	.08	29	37
23-36-0316	6733241	1261857	7-66	2 305 19,385 3.93 761	29 16,075 3.50 563	10-69	40	799	.11	45	58
23-36-0318	4905892	1189870	5-59	7 304 20,889 3.50 731	8 15,139 3.88 587	2-70	44	971	-.05	28	48
23-36-0318	5798249	1399824	3-63	5 303 17,298 4.32 748	15 15,576 3.86 601	3-70	44	590	.09	35	44
23-36-0318	6462736	1347940	9-65	2 305 20,465 3.82 781	14 17,305 3.67 635	5-69	40	891	.02	35	52
23-36-0321	5426990	1189870	8-61	6 302 18,313 3.84 703	17 13,692 3.84 526	7-69	44	807	.01	31	47
23-36-0321	5820984	1359770	9-62	5 304 19,618 3.80 745	19 14,506 3.67 532	7-69	44	777	-.01	27	43
23-36-0321	6884007	1347940	2-66	1 305 16,220 3.65 592	38 12,580 3.72 468	7-69	36	831	-.01	29	46
23-36-0326	5279759	1154946	3-61	4 305 19,620 4.53 889	7 16,890 3.68 621	9-69	44	549	.12	37	45
23-36-0326	5615632	1179372	2-62	5 303 22,958 3.41 783	22 17,000 3.80 646	12-68	44	1,013	-.06	28	50
23-36-0326	6231912	1239242	9-64	3 302 21,690 3.93 852	18 17,437 3.77 657	1-69	42	788	.03	33	48
23-36-0327	6305123	1320310	4-65	3 291 18,077 3.44 622	10 15,797 3.58 566	1-70	42	890	-.06	23	42
23-36-0332	4776527	1228022	1-59	5 301 17,536 3.33 584	16 14,954 3.70 553	11-69	44	898	-.11	16	37
23-36-0332	6444377	1460991	8-65	3 299 20,707 3.60 745	19 14,980 3.71 556	11-69	29	831	-.01	28	45
23-36-0346	6066832	1189870	1-64	4 299 20,718 3.58 742	12 15,008 3.80 570	2-70	44	935	-.02	31	50
23-36-0346	6066833	1189870	1-64	3 305 17,373 4.74 823	17 14,893 3.77 561	8-69	42	518	.15	40	47
23-36-0346	6066835	1189870	5-63	5 304 17,208 4.31 742	13 15,198 3.82 580	4-70	44	489	.09	30	38
23-36-0346	6434265	1347940	10-65	1 305 20,370 4.39 895	14 14,460 3.96 572	2-69	36	1,014	.05	44	63
23-36-0347	5681991	1181068	3-62	5 305 21,076 3.46 729	12 15,304 3.75 574	4-69	44	867	-.04	25	43
23-36-0347	5972013	1427615	10-63	3 305 21,330 3.51 748	7 15,733 3.86 608	3-69	42	1,163	-.11	25	51
23-36-0347	6562629	1402118	3-66	2 305 22,465 3.68 827	16 16,130 3.85 621	11-69	40	842	-.04	25	43
23-36-0376	6656006	1458744	6-66	1 305 18,330 3.73 683	10 15,260 3.70 565	9-68	36	797	-.01	28	44
23-36-0378	5538925	1347940	2-62	2 297 18,505 4.20 777	19 15,160 3.80 576	4-69	40	888	.05	40	56
23-36-0378	5558403	1189870	3-61	6 296 17,897 3.75 671	19 14,263 3.74 534	11-69	44	687	.01	26	39
23-36-0378	6374777	1454185	8-65	3 305 18,786 3.90 733	26 13,990 3.71 519	8-69	31	772	.06	37	51
23-36-0378	6377176	1347940	1-65	2 305 20,325 3.70 752	28 16,500 3.71 612	1-70	40	950	.00	34	53
23-36-0378	6509945	1206797	12-65	3 304 19,213 3.74 719	30 15,780 3.75 592	2-70	42	645	.01	24	37
23-36-0378	6603291	1320310	9-65	2 305 22,305 3.24 723	40 15,080 3.74 564	11-69	40	1,372	-.11	33	63
23-36-0378	6615528	1320310	8-65	3 305 17,410 3.46 603	36 14,963 3.74 559	1-70	42	900	-.07	22	42
23-36-0378	6764855	1261857	9-66	2 305 18,125 3.88 704	32 14,360 3.74 537	8-69	40	828	.08	42	56
23-36-0378	6999335	1320310	8-67	1 305 18,680 3.80 709	44 15,010 3.66 549	11-69	35	949	-.03	30	50
23-36-0378	6999336	1320310	9-66	2 302 20,400 3.37 687	35 15,425 3.77 581	2-70	40	1,146	-.09	28	53
23-36-0378	7077916	1360676	6-67	1 305 21,910 3.52 771	43 14,460 3.69 534	9-69	34	1,048	-.01	37	58
23-36-0386	6778932	1399824	7-66	2 305 23,160 3.58 829	18 16,805 3.75 631	12-69	40	1,046	.00	37	58
23-36-0388	6366347	1347940	6-65	3 305 18,566 3.81 707	6 16,163 3.64 589	4-70	42	820	.02	32	48
23-36-0388	6702585	1347940	12-66	1 289 17,220 3.41 587	6 14,380 3.70 532	6-69	36	785	-.03	24	40
23-36-0392	5549180	1189870	2-62	5 305 18,504 3.30 610	10 13,210 3.71 490	9-68	44	887	-.05	24	43
23-36-0392	6023930	1395387	10-63	4 305 16,418 3.93 646	12 13,073 3.68 481	1-70	34	622	.05	30	41
23-36-0408	6102616	1189870	2-64	5 297 20,706 3.79 785	13 17,140 3.81 653	3-70	44	715	.01	27	41
23-36-0408	6844730	1441440	8-65	3 296 18,616 3.74 697	32 15,546 3.87 601	7-69	42	765	.00	28	43
23-36-0408	7100144	1309574	11-66	1 305 19,860 3.86 767	33 15,040 3.87 582	7-69	36	615	.04	28	39
23-36-0411	6150010	1189870	1-64	4 305 17,370 3.99 693	11 14,580 3.61 527	1-70	44	569	.07	30	40
23-36-0413	5021796	1189870	10-59	3 305 18,030 4.08 736	10 15,297 3.75 574	4-69	42	552	.06	28	38
23-36-0413	5198189	1189870	8-60	7 300 17,634 4.00 706	8 14,317 3.87 554	4-69	44	647	.04	29	41
23-36-0413	6380630	1347940	10-65	3 301 16,880 3.74 631	20 14,410 3.84 554	1-70	42	807	-.01	27	43
23-36-0413	6548801	1347940	1-66	2 305 17,485 3.56 623	16 14,300 3.92 560	6-69	40	863	-.03	26	44
23-36-0413	6618768	1347940	7-66	2 305 19,005 3.84 729	21 13,490 3.77 509	9-69	40	1,091	-.01	41	62
23-36-0413	6618770	1347940	9-66	2 296 15,685 3.86 605	19 13,260 3.70 491	8-69	40	775	.01	30	45
23-36-0413	6893943	1347940	7-67	1 302 18,							

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	OOL- LARS		
23-36-0421	6550699	1399824	12-65	2 305	19,250	4.38	844	21	14,270	3.86	551	9-69	40	881	.10	46	\$ 61
23-36-0421	6636262	1347940	9-66	2 305	19,525	3.85	751	10	15,175	3.97	602	3-70	40	990	.00	35	55
23-36-0424	5927613	1189870	8-63	3 305	19,407	4.40	854	12	15,297	3.73	571	10-69	42	710	.11	42	53
23-36-0424	6230640	1320310	10-64	3 305	20,527	3.61	740	9	14,823	3.68	545	6-69	42	1,278	-.05	39	66
23-36-0427	5051343	1189870	8-59	4 305	23,660	4.04	957	12	14,385	4.00	576	1-70	44	1,368	.05	57	83
23-36-0427	5051347	1189870	3-60	7 305	16,277	4.26	693	6	13,693	4.04	553	8-69	44	544	.05	27	37
23-36-0427	6366596	1300014	8-65	2 305	21,820	3.73	813	21	15,335	3.92	601	12-69	40	954	-.08	23	44
23-36-0428	6178532	1320310	11-64	3 305	17,840	4.46	796	8	15,460	3.82	590	7-69	42	898	.06	41	57
23-36-0428	6342300	1320310	1-65	3 305	21,490	3.49	750	10	16,137	3.77	608	4-69	42	1,252	-.07	34	61
23-36-0428	6433206	1441440	12-65	2 303	20,825	3.28	684	14	16,990	3.80	645	1-69	40	824	-.05	22	40
23-36-0428	6473021	1320310	12-65	2 305	18,520	3.56	659	11	14,740	3.88	572	7-69	40	1,017	-.07	26	48
23-36-0428	6597185	1337741	4-66	2 305	18,950	3.62	686	11	14,980	3.94	590	7-69	40	731	-.02	23	38
23-36-0436	6277667	1320310	10-64	3 305	16,443	3.66	601	40	12,980	3.77	489	6-69	42	995	-.05	29	50
23-36-0436	6349429	1320310	2-65	3 298	16,350	4.46	729	42	12,917	3.78	488	8-69	42	991	.06	44	62
23-36-0436	6399833	1320310	4-65	3 302	15,517	3.88	602	42	12,917	3.78	488	8-69	42	894	-.02	29	47
23-36-0436	6721676	1320310	3-66	2 288	15,940	3.25	518	60	13,240	3.76	498	8-69	40	892	-.10	18	38
23-36-0436	6734520	1320310	8-66	1 305	16,950	3.92	665	48	12,660	3.76	476	7-69	35	978	-.03	31	51
23-36-0440	6508004	1337741	10-64	3 305	15,337	3.62	555	28	12,270	3.58	439	6-69	42	643	.01	25	37
23-36-0443	5174459	1189870	10-60	7 305	20,791	4.44	923	12	16,160	3.87	625	12-69	44	840	.12	48	62
23-36-0443	5839852	010276214	7-63	3 305	20,576	4.08	839	13	16,726	4.03	674	2-70	37	584	.08	32	42
23-36-0443	5993926	1189870	8-63	5 297	24,278	3.70	899	11	16,056	4.00	643	11-69	44	1,302	-.03	43	69
23-36-0448	6250224	1239242	5-64	4 305	18,755	3.50	656	18	14,573	3.71	541	2-70	44	777	-.03	23	39
23-36-0448	6469210	1320310	3-65	2 301	19,665	3.86	760	15	15,260	3.76	574	11-68	40	1,086	-.02	36	58
23-36-0448	7030739	1347940	4-67	1 305	17,370	3.48	604	25	14,690	3.74	550	9-69	36	775	-.03	24	40
23-36-0451	6506724	1320310	1-66	2 305	15,560	3.62	563	13	13,025	3.78	492	9-69	40	872	-.06	23	42
23-36-0454	5876834	1189870	3-63	4 305	20,130	3.37	679	21	15,650	3.62	567	1-70	44	791	-.04	23	40
23-36-0454	6852542	1399824	5-67	1 305	17,970	3.42	615	18	12,520	3.75	469	2-70	36	791	-.01	27	43
23-36-0455	6261035	1347940	12-64	1 305	22,290	3.94	879	16	14,770	3.66	540	11-68	36	1,136	.03	45	67
23-36-0458	7217876	1320310	2-67	1 305	16,290	3.84	625	18	12,900	3.70	477	7-69	35	912	-.03	28	47
23-36-0463	5871473	1189870	9-63	4 305	16,635	4.18	696	31	13,760	3.68	506	6-69	44	570	.08	32	41
23-36-0463	6447842	1325017	11-65	2 305	17,425	3.99	695	28	14,455	3.60	521	4-69	34	626	.02	25	37
23-36-0463	6539809	1347940	3-66	2 271	15,095	3.46	522	26	13,245	3.70	490	7-69	40	716	-.03	22	37
23-36-0469	4902316	1060259	6-59	7 304	17,730	4.15	736	16	14,701	3.58	527	1-69	44	729	.07	36	49
23-36-0469	6133139	1259069	11-63	4 303	18,852	3.70	697	20	14,820	3.45	512	8-69	44	657	.01	25	38
23-36-0469	6391638	1268297	9-65	3 305	18,383	3.79	697	21	15,917	3.41	543	12-69	42	474	.10	32	39
23-36-0471	6544488	1320310	3-65	2 305	16,145	3.43	553	9	13,805	3.82	527	2-69	40	861	-.08	19	38
23-36-0471	6797918	1320310	10-66	2 305	15,485	3.72	576	12	12,810	3.77	483	9-69	40	885	-.04	26	45
23-36-0474	6267390	1192713	10-64	3 305	19,427	3.49	678	18	16,193	3.69	597	11-68	42	750	-.03	23	39
23-36-0474	6267396	1303198	2-65	4 287	20,723	3.59	743	15	16,618	3.71	616	12-69	44	709	-.01	24	38
23-36-0474	6627313	1347940	6-66	2 305	17,785	3.81	678	9	15,205	3.67	558	5-69	40	810	.02	32	48
23-36-0474	6996358	1347940	6-67	1 305	20,580	3.58	736	14	14,670	3.54	520	8-69	36	1,015	.00	36	56
23-36-0478	3932472	1189870	11-54	8 305	20,704	4.19	868	21	17,348	3.78	656	2-69	44	691	.09	38	49
23-36-0478	4977152	1189870	7-59	7 305	23,517	4.52	1062	14	16,716	3.92	655	12-69	44	1,127	.15	63	82
23-36-0478	5123585	1189870	10-59	4 305	22,003	3.54	779	16	17,260	4.05	699	9-69	44	844	-.06	21	39
23-36-0478	5164618	1189870	10-60	5 296	19,614	4.55	892	12	17,596	4.02	707	5-69	44	521	.11	35	43
23-36-0478	5240331	1189870	10-60	3 282	19,613	4.10	804	19	16,670	4.05	675	9-69	42	592	.03	26	37
23-36-0478	5321779	1189870	8-59	2 305	20,085	4.40	883	11	17,615	4.12	726	2-69	40	518	.06	28	37
23-36-0478	5585359	1189870	3-62	2 305	19,690	3.92	771	11	15,135	4.01	607	2-70	40	704	.01	27	41
23-36-0478	5647818	1189870	8-62	5 303	20,520	3.46	709	46	15,788	3.87	611	4-70	44	848	-.06	22	40
23-36-0478	5670731	1189870	11-62	4 305	21,995	3.84	844	14	16,228	3.99	647	8-69	44	957	.00	35	54
23-36-0478	5724401	1189870	1-63	5 301	19,734	4.26	840	13	16,870	4.02	679	11-69	44	621	.06	31	42
23-36-0478	6080513	1189870	2-64	4 305	22,093	3.76	830	12	15,960	4.04	644	7-69	44	999	-.02	33	53
23-36-0497	5899765	010265181	12-59	4 305	23,123	3.18	735	13	17,078	3.73	637	7-69	30	967	-.12	17	39
23-36-0497	6718529	1472834	10-66	2 305	20,240	4.34	878	9	17,340	3.81	660	4-70	32	470	.10	31	38
23-36-0498	4586879	1209458	1-56	4 305	18,593	3.79	705	12	13,775	3.87	533	9-68	39	770	.04	33	47
23-36-0525	4930763	1189870	9-59	7 276	20,283	3.52	713	9	14,741	3.74	552	6-69	8 44	939	-.03	30	49
23-36-0525	5515605	1189870	10-61	5 300	20,044	3.42	686	11	15,806	3.76	595	1-69	8 44	785	-.05	21	38
23-36-0525	5735165	1189870	10-62	6 305	18,647	3.87	721	10	15,587	3.74	583	3-70	44	630	.03	27	39
23-36-0525	6019393	1189870	7-63	4 299	18,913	3.71	702	17	15,500	3.74	579	11-69	44	658	.01	25	38
23-36-0525	6063501	1189870	9-64	3 265	21,050	3.12	657	12	14,597	3.73	544	4-69	8 42	971	-.09	22	43
23-36-0525	6858053	1399824	5-67	1 305	16,810	4.49	755	23	14,380	3.66	526	10-69	36	580	.09	34	43
23-36-0525	6932544	1320310	10-66	2 305	18,880	3.51	662	23	16,200	3.61	585	1-70	40	920	-.06	25	45
23-36-0531	6161743	1337741	8-64	3 305	18,127	3.53	640	12	14,010	3.91	548	9-68	42	786	-.04	23	39
23-36-0531	6745327	1399824	12-66	1 305	17,140	3.77	646	11	13,700	3.65	500	6-69	36	650	.03	28	40
23-36-0531	6860233	1399824	3-67	1 305	17,540	3.85	676	11	13,700	3.65	500	6-69	36	680	.04	30	43
23-36-0531	6860234	1399824	3-67	1 305	17,030	3.67	625	11	13,700	3.65	500	6-69	36	642	.02	26	38
23-36-0536	6333551	1337741	8-64	4 305	19,813	3.73	740	34	15,850	3.74	592	2-70	43	815	.01	31	47
23-36-0536	6516824	1320310	7-65	3 305	17,517	3.75	657	46	15,993	3.76	602	10-69	42	804	-.04	23	40
23-36-0536	6760421	1309574	11-66	1 305	21,290	3.43	730	30	14,810	3.86	571	7-69	36	736	.00	26	41
23-36-0536	6882933	1320310	1-67	1 305	18,550	3.98	739	46	15,600	3.87	603	8-69	3				

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C MO-YR D	.....C O W REPT MILK (%) (L8)	1 N D E X..... FAT FAT (%) (L8)	DOL- LARS
23-36-0585	5494217	1189870	1-62	4 291 18,463 3.59 662	5 13,000 3.75 487	4-70	44 880	-.01 30	\$ 48
23-36-0585	6826259	010270856	3-65	3 305 19,263 3.41 656	12 13,863 3.69 511	12-65	29 769	-.05 21	37
23-36-0586	6065332	1189870	11-63	3 305 20,407 3.37 687	15 15,033 3.90 587	8-69	42 852	-.07 21	40
23-36-0586	6544361	1347940	4-66	1 305 18,560 3.85 715	16 13,800 3.94 544	6-69	36 923	.00 33	51
23-36-0586	6751019	1347940	7-66	2 305 16,705 4.30 719	13 13,935 3.76 524	10-69	40 817	.06 39	54
23-36-0586	6751020	1347940	12-66	1 305 16,320 3.79 619	16 13,800 3.94 544	6-69	36 756	-.01 26	41
23-36-0586	6751021	1347940	12-66	1 305 17,890 3.62 648	19 14,080 3.93 553	7-69	36 855	-.03 27	45
23-36-0586	6751023	1347940	1-67	1 305 16,340 3.77 616	19 14,080 3.93 553	7-69	36 739	-.01 25	40
23-36-0586	6783257	1347940	1-67	1 305 16,400 4.04 663	16 13,800 3.94 544	6-69	36 762	.01 29	44
23-36-0586	6806619	1347940	3-67	1 305 16,070 3.69 593	16 13,800 3.94 544	6-69	36 738	-.02 24	39
23-36-0587	5438756	1189870	9-61	6 305 18,055 3.92 708	16 14,663 3.83 561	9-69	44 661	.03 28	40
23-36-0587	6140256	1320310	9-64	4 305 16,450 3.74 615	16 14,850 3.76 559	11-69	43 799	-.04 23	40
23-36-0587	6427552	1320310	9-65	3 305 18,113 3.38 613	15 14,660 3.75 550	1-70 H	42 1,013	-.08 24	46
23-36-0587	6427553	1320310	9-65	3 284 16,960 3.49 592	18 14,740 3.83 565	9-69	42 871	-.08 20	39
23-36-0596	7018089	1399824	7-66	2 294 21,075 3.29 693	27 15,670 3.75 588	10-69	40 938	-.05 27	47
23-36-0599	6282882	1320310	10-64	2 305 19,405 3.91 759	10 17,245 3.90 673	3-69	40 877	-.03 27	45
23-36-0599	6581208	1399824	7-66	2 305 20,600 3.61 744	10 16,535 3.76 622	11-69	40 811	.00 29	45
23-36-0599	6809395	1309574	4-67	1 305 19,440 4.39 854	17 14,660 3.85 564	9-69	36 609	.10 36	46
23-36-0603	7189548	1441440	5-67	1 292 18,860 3.32 626	7 13,770 3.84 529	6-69	35 811	-.03 25	42
23-36-0604	6472287	1347940	12-65	1 305 20,260 4.09 828	9 14,430 3.56 514	1-70	36 1,008	.04 43	62
23-36-0604	6571645	1261857	6-66	2 286 18,880 3.81 719	11 15,150 3.73 565	12-69	40 833	.07 41	56
23-36-0604	6845023	1347940	3-67	1 305 19,530 3.41 665	9 14,760 3.64 538	8-69	36 931	-.02 30	49
23-36-0604	6845025	1261857	6-67	1 305 17,370 3.62 629	8 14,580 3.56 519	6-69	36 683	.07 35	47
23-36-0607	6769650	1399824	2-67	1 305 16,820 4.54 764	19 13,480 4.03 543	11-69	36 641	.07 34	45
23-36-0611	4863004	1189870	6-59	6 300 20,092 3.49 701	12 14,733 3.80 560	1-69	44 915	-.04 27	46
23-36-0611	4875939	1024453	12-58	9 304 19,059 3.66 697	14 14,307 3.84 549	8-69	44 722	-.02 23	38
23-36-0612	6774124	1347940	9-66	2 300 18,835 3.34 629	13 15,050 3.75 564	11-69	40 931	-.05 26	46
23-36-0618	6474841	1347940	8-65	2 305 18,635 3.54 659	9 13,230 3.62 479	3-69	40 1,077	-.01 37	59
23-36-0622	6613219	1347940	8-66	2 305 18,600 3.74 696	10 15,910 3.51 558	12-69	40 829	.02 33	49
23-36-0625	6478727	1399824	12-65	2 305 15,675 4.43 694	18 13,445 3.77 507	7-69	40 594	.09 35	44
23-36-0625	6530519	1320310	7-65	2 305 18,750 3.56 668	10 14,105 3.74 527	2-69	40 1,099	-.06 31	54
23-36-0625	6663020	1347940	5-66	2 305 19,285 3.86 744	10 14,740 3.78 557	12-69	40 1,005	.01 38	58
23-36-0627	6229233	1347940	10-64	2 305 17,960 3.27 588	23 15,035 3.72 560	8-69	40 844	-.06 22	40
23-36-0627	6709237	1347940	10-66	2 305 23,805 3.81 907	15 17,210 3.73 642	1-70	40 1,238	.02 47	71
23-36-0644	6776172	1399824	9-66	2 302 16,325 4.42 721	26 14,705 3.92 576	8-69	40 544	.08 31	40
23-36-0644	6776173	1337741	9-66	2 305 17,670 4.07 719	26 14,320 3.92 562	10-69	40 661	.04 29	41
23-36-0644	6776176	1320310	11-66	2 305 20,475 3.54 725	19 15,555 3.93 612	3-70	40 1,142	-.08 29	54
23-36-0644	6970632	1320310	8-67	1 305 19,470 3.12 607	15 14,900 3.75 559	1-70	35 1,017	-.10 21	44
23-36-0644	6970634	1383247	8-67	1 305 22,080 3.22 710	25 14,220 3.85 547	8-69	35 972	-.11 18	40
23-36-0644	7032645	1320310	2-67	1 305 19,020 3.60 684	27 16,570 3.92 650	1-69	35 869	-.07 21	40
23-36-0653	6191883	1320310	10-64	3 305 18,380 3.25 597	36 14,547 3.73 543	10-69	42 1,056	-.10 23	46
23-36-0653	6191886	1320310	11-64	3 305 24,097 3.34 804	21 16,330 3.57 583	1-69	42 1,535	-.09 42	75
23-36-0653	6365897	1320310	9-64	4 296 17,298 3.46 598	34 15,115 3.64 550	10-69	43 875	-.06 22	41
23-36-0657	6662773	1441440	4-65	2 304 15,710 3.46 544	12 12,110 3.80 460	10-68	40 750	-.02 24	39
23-36-0657	6702408	1446646	8-66	2 293 18,025 3.64 656	17 14,035 3.66 514	1-70	31 743	-.02 24	39
23-36-0657	7362514	1378324	10-67	1 305 21,000 3.27 687	15 13,870 3.62 502	12-69	25 946	-.04 28	48
23-36-0663	6996359	1347940	9-67	1 305 16,600 3.96 658	14 12,560 3.74 470	10-69	36 860	.02 34	51
23-36-0666	4886213	1185870	3-59	6 304 18,752 4.04 757	9 14,550 3.79 552	8-69	44 764	.05 35	49
23-36-0666	5555081	1189870	8-61	6 305 18,607 3.84 714	10 15,562 3.80 592	9-69	44 627	.02 25	37
23-36-0670	6272882	1320310	11-64	3 305 21,667 3.40 736	16 14,483 3.83 554	11-69	42 1,446	-.09 38	69
23-36-0670	6518593	1320310	12-65	2 305 17,625 3.58 631	18 14,300 3.71 531	8-69	40 966	-.05 27	47
23-36-0670	6521257	1309574	12-65	2 305 17,205 3.99 686	17 14,290 3.67 524	7-69	40 532	.07 30	39
23-36-0670	7041138	1441440	11-67	1 305 19,810 3.55 704	15 14,540 3.68 535	1-70	35 830	.00 30	46
23-36-0670	7226288	1347940	5-67	1 305 19,010 3.45 655	14 14,020 3.79 532	7-69	36 942	-.03 29	49
23-36-0673	4903028	1189870	2-59	6 304 18,738 3.70 694	11 15,217 3.72 566	7-69	44 684	.01 26	39
23-36-0673	5017998	1189870	2-60	6 305 20,442 3.62 739	15 15,810 3.67 580	9-69	44 835	.00 30	47
23-36-0673	5225552	1347940	12-60	6 305 18,425 3.39 625	11 15,898 3.69 586	6-69	44 850	-.05 23	41
23-36-0673	6677198	1347940	8-66	1 305 18,870 4.12 777	7 17,030 3.66 624	1-69	36 730	.04 32	46
23-36-0673	6902654	1347940	10-66	2 305 19,075 3.54 675	19 15,795 3.80 600	11-69	40 887	-.03 27	45
23-36-0673	6902655	1347940	12-66	2 305 19,670 3.55 698	18 15,890 3.79 602	11-69	40 939	-.03 30	49
23-36-0673	6902656	1347940	1-67	1 305 23,490 3.30 776	9 15,910 3.65 581	6-69	36 1,149	-.04 35	59
23-36-0673	7014517	1347940	8-67	1 305 24,880 3.35 834	23 15,800 3.82 604	11-69	36 1,260	-.05 38	64
23-36-0673	7014518	1347940	8-67	1 305 20,250 3.48 704	15 15,900 3.67 583	8-69	36 908	-.03 29	48
23-36-0675	6999725	1320310	2-67	2 302 17,450 3.27 570	8 13,195 3.67 484	3-70	40 1,050	-.09 25	48
23-36-0675	5436229	1189870	11-61	3 305 19,733 3.58 706	5 15,460 3.67 567	1-69	42 731	.00 26	41
23-36-0679	5824377	1399824	1-63	4 297 16,097 4.32 695	24 14,445 3.86 557	11-68	44 561	.09 33	42
23-36-0679	6385104	1399824	7-65	3 305 18,333 3.51 643	17 14,460 3.80 549	3-70	42 811	-.02 27	43
23-36-0679	6480610	1320310	5-65	3 303 15,943 3.55 566	20 13,523 3.93 531	6-69	42 880	-.08 20	39
23-36-0679	6713724	1399824	12-66	1 305 19,600 3.28 643	10 14,320 4.01 574	3-69	36 792	-.04 22	39
23-36-0679	6726555	1399824	10-66	2 305 17,885 3.89 696	14 15,725 3.91 615	2-70	40 610	.02 25	37
23-36-0684	5466872	1189870	9-61	4 305 18,530 4.05 751	17 13,525 3.85 521	8-69	44 830	.05 37	52
23-36-0684	6532049	1441440	4-66	2 287 20,500 4.16 853	17 14,755 3.83 565	1-70	40 996	.07 46	64
23-36-0684	6758511	1347940	2-67	1 305 22,820 3.71 847	36 13,490 3.68 497	8-69	36 1,261	.00 46	71
23-36-0684	6971230	1458744	9-67	1 305 17,040 3.36 573	36 13,650 3.70 505	8-69	36 809	-.04 24	41
23-36-0685	5970586	1189870	1-63	5 279 17,166 4.04 694	5 13,168 3.86 508	8-69	44 720	.04 32	45
23-36-0685	6981573	1347940	5-66	2 305 16,530 4.17 689	8 13,405 3.78 507	10-69	40 847	.04 37	53
23-36-0685	6981574	1347940	6-66	2 305 15,660 3.68 576	8 13,010 3.87 504	11-69	40 795	-.02 26	42
23-36-0685	7090138	1347940	11-66	1 305 17,690 4.25 752	5 14,940 4.01 599	4-69	36 782	.03 32	47
23-36-0688	6162154	1399824	10-64	3 293 19,723 3.87 764	7 15,476 3.59 556	2-69	42 866	.06 40	56
23-36-0693	6563125	1320310	1-66	1 305 17,810 3.76 670	23 14,080 3.86 544	10-68	35 947	-.05 27	47
23-36-0693	6617087	1441440	9-66	2 305 17,925 3.84 689	20 14,465 3.93 569	10-69	40 760	.01 29	44
23-36-0693	6885240	1320310	10-67	1 303 18,530 3.58 664	15 16,380 3.88 635	12-69	35 845	-.07 20	39
23-36-0696	5932882	1189870	7-63	4 303 16,560 3.81 631	8 13,303 3.71 494	9-68	44 611	.03 26	37
23-36-0702	5414758	1199324	4-61	7 301 19,575 3.49 684	12 15,577 3.65 568	11-69	44 984	-.04 30	50
23-36-0706	5040194	1228022	9-59	4 298 22,308 3.27 729	20 16,223 3.53 573	8-69	43 1,342	-.10 33	62

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS		
23-36-0709	6051253	1189870	1-64	4	304	17,735	3.35	594	11	13,175	3.55	468	2-70	44	770	-.03	24	\$ 40
23-36-0709	6738148	1347940	12-66	1	305	15,790	3.94	622	23	12,740	3.81	486	6-69	36	788	.01	30	45
23-36-0709	6738149	1347940	1-67	1	305	17,110	3.44	588	29	12,760	3.77	481	7-69	36	885	-.03	28	46
23-36-0712	5436228	1189870	6-61	3	305	18,297	4.10	751	9	15,057	3.77	567	9-69	42	607	.06	31	41
23-36-0712	6705560	1399824	10-66	2	299	19,695	3.36	661	5	14,360	3.82	549	2-70	40	918	-.03	28	47
23-36-0712	7030962	1320310	2-67	1	305	15,270	3.56	544	9	13,220	3.81	504	8-69	35	814	-.06	20	38
23-36-0714	5596009	1191921	3-62	3	305	22,997	3.71	854	10	15,817	3.52	557	8-69	42	847	.04	37	53
23-36-0714	6758198	1309574	1-67	1	305	18,760	3.91	734	14	13,820	3.78	523	11-69	36	614	.05	30	41
23-36-0714	6839472	1261857	7-67	1	305	20,080	4.03	810	17	14,280	3.84	549	10-69	36	505	.09	46	62
23-36-0719	6778441	1347940	1-67	1	305	16,800	3.67	617	7	13,990	3.68	515	2-69	36	779	-.01	27	43
23-36-0721	5147967	1189870	5-60	5	301	20,340	3.54	721	10	15,066	3.71	559	4-69	44	909	-.02	30	48
23-36-0721	6213422	1417208	10-64	3	305	19,513	3.82	746	12	15,807	3.66	578	2-69	42	842	.03	35	51
23-36-0721	6493532	1282936	9-65	3	305	20,663	3.55	733	8	15,310	3.78	578	11-69	42	871	-.03	27	45
23-36-0721	6783734	1347940	1-67	1	305	18,360	3.53	649	12	15,110	3.81	575	9-69	36	821	-.02	26	43
23-36-0721	6852771	1347940	6-67	1	305	17,180	3.60	618	10	14,730	3.80	560	8-69	36	758	-.02	25	40
23-36-0726	6926705	1309574	9-67	1	296	17,330	4.13	715	10	14,660	3.42	502	7-69	36	452	.10	30	37
23-36-0728	6520387	1239242	12-65	2	301	19,620	3.53	692	10	14,540	3.69	536	3-69	40	789	-.02	25	41
23-36-0728	6581376	1320310	6-66	2	295	18,515	3.66	678	13	15,370	3.83	588	12-69	40	959	-.06	26	46
23-36-0728	6622747	1320310	4-66	1	305	20,020	3.74	748	8	14,730	3.75	553	1-70	35	1,070	-.04	32	54
23-36-0728	6648161	1377954	7-66	1	305	21,650	3.97	859	8	15,210	3.57	543	4-69	36	860	.06	40	56
23-36-0728	6785746	1309574	11-66	2	305	17,725	4.38	777	12	15,175	3.66	556	1-70	40	504	.12	36	43
23-36-0732	6126540	1199324	6-64	4	305	19,792	3.63	719	9	14,597	3.81	556	2-70	44	1,103	-.03	36	59
23-36-0733	5845856	1244845	2-63	5	305	21,304	3.53	751	12	16,126	3.76	606	6-69	44	908	-.06	24	43
23-36-0733	6842418	1261857	9-66	2	299	17,755	3.76	667	35	14,775	3.44	508	9-69	40	753	.09	41	54
23-36-0733	6929071	1261857	7-67	1	305	19,880	3.24	645	31	15,420	3.40	525	6-69	36	814	.04	35	50
23-36-0738	5560311	1189870	4-62	3	300	18,683	3.44	642	7	13,733	4.03	553	9-68	42	789	-.06	20	37
23-36-0738	5998246	1189870	10-63	4	305	17,713	4.16	736	9	13,770	4.03	555	12-69	44	702	.05	32	45
23-36-0742	6191973	1364126	2-63	4	305	19,050	3.77	718	12	13,657	3.83	523	1-70	35	858	-.01	29	46
23-36-0742	6512978	1206797	12-65	2	301	19,975	3.58	715	24	15,500	3.72	576	5-69	40	703	-.02	23	37
23-36-0742	6514375	1347940	3-66	2	305	24,945	3.66	913	11	15,545	3.81	593	1-70	40	1,506	-.02	52	82
23-36-0742	6538860	1441440	11-65	2	305	18,475	3.72	687	20	15,690	3.67	576	4-69	40	704	.02	28	42
23-36-0744	5778942	1399824	12-62	4	305	18,957	3.76	712	13	14,272	3.62	517	8-69	44	934	.04	39	57
23-36-0744	6863609	1365341	8-67	1	305	18,690	3.19	597	22	15,370	3.45	530	8-69	35	771	-.05	21	37
23-36-0749	6817208	1399824	1-66	2	305	18,715	3.74	700	5	15,210	3.73	567	1-69	40	741	.02	30	44
23-36-0751	5797645	1189870	11-62	3	305	17,600	3.90	687	9	13,270	3.75	497	1-70	42	712	.04	31	44
23-36-0752	5571913	1179372	4-62	3	305	18,150	3.39	616	49	13,307	3.79	505	11-69	42	763	-.04	22	38
23-36-0754	6650703	1399824	7-66	2	305	20,830	3.44	717	19	14,225	3.78	537	6-69	40	1,045	-.02	34	55
23-36-0759	6713508	1399824	9-66	2	287	17,615	3.86	680	12	15,250	3.75	572	9-69	40	626	.03	27	39
23-36-0759	6953676	1347940	5-67	1	305	18,980	3.43	651	10	15,160	3.67	556	7-69	36	863	-.03	27	45
23-36-0763	6888775	1347940	10-66	2	301	18,550	3.80	705	5	14,115	3.94	556	7-69	40	988	-.01	34	54
23-36-0764	5499830	1270143	10-61	4	305	22,688	3.27	743	11	17,038	3.52	600	7-69	44	815	-.03	25	42
23-36-0764	6172138	1320310	7-64	3	305	19,733	3.71	733	12	16,993	3.57	606	8-69	42	957	-.02	32	51
23-36-0764	6440977	1309574	10-65	3	294	20,750	3.61	749	10	18,433	3.31	611	2-70	42	543	.07	30	39
23-36-0764	6586124	1347940	3-66	2	305	23,850	3.27	780	11	16,370	3.54	579	5-69	40	1,320	-.05	40	67
23-36-0764	6804645	1347940	12-66	1	305	20,460	3.77	772	10	17,420	3.47	604	9-69	36	822	.02	33	49
23-36-0766	6417102	1347940	10-65	2	305	21,490	3.62	777	9	15,140	3.65	553	10-69	40	1,192	-.01	42	66
23-36-0766	6692896	1347940	10-66	1	305	19,980	3.53	706	8	15,890	3.50	556	12-69	36	889	-.01	31	49
23-36-0766	6841546	1347940	6-67	1	305	15,620	3.51	548	8	13,570	3.76	510	7-69	36	720	-.02	23	38
23-36-0766	6854365	1347940	7-67	1	305	18,700	3.70	691	9	15,080	3.76	567	9-69	36	848	.00	30	47
23-36-0766	7060783	1347940	2-68	1	305	22,750	3.59	816	7	15,630	3.27	511	2-70	36	1,113	.02	43	65
23-36-0770	6777616	1320310	9-66	2	305	18,255	3.69	673	10	14,065	3.80	534	10-69	40	1,052	-.05	31	53
23-36-0771	5432572	1244845	1-61	3	302	19,200	3.56	684	12	14,560	3.54	516	10-68	42	761	-.03	23	39
23-36-0771	6583880	1347940	3-66	2	305	20,750	3.41	708	13	15,135	3.61	546	7-69	40	1,118	-.03	36	59
23-36-0775	6483981	1320310	6-65	3	305	17,887	3.23	578	11	15,727	3.59	565	12-69	42	875	-.09	18	38
23-36-0778	6562573	1206797	3-66	2	305	18,755	3.70	694	23	13,985	3.65	510	10-69	40	718	.01	27	41
23-36-0780	6388770	1441440	6-65	2	305	20,945	3.38	708	13	16,695	3.92	654	6-69	40	863	-.05	23	41
23-36-0780	6849090	1399824	7-67	1	305	22,200	4.01	891	17	16,230	3.87	628	11-69	36	858	.04	37	53
23-36-0782	6404191	1309574	11-65	3	305	17,690	3.97	703	15	14,707	4.00	588	11-69	42	577	.04	27	37
23-36-0782	6669138	1309574	9-66	2	305	19,915	4.26	848	8	14,835	4.24	629	2-70	40	757	.07	37	50
23-36-0783	6344017	1417208	3-65	2	301	17,400	4.35	757	8	15,415	3.72	574	9-68	40	625	.09	35	45
23-36-0785	6444414	1347940	8-65	3	305	18,413	3.56	655	15	14,830	3.72	552	10-69	42	940	-.03	30	49
23-36-0788	6459384	1320310	1-66	2	302	15,765	3.51	553	13	13,180	3.62	477	3-70	40	879	-.05	24	43
23-36-0788	6778381	1320310	8-66	2	305	18,760	3.13	588	27	12,630	3.89	491	10-69	40	1,235	-.12	26	54
23-36-0788	6778384	1320310	9-66	1	305	15,930	3.65	582	28	12,150	3.79	461	10-68	35	936	-.05	26	46
23-36-0788	6778385	1320310	11-66	2	300	17,740	3.40	603	22	12,855	3.68	473	1-70	40	1,110	-.07	29	53
23-36-0788	6778386	1320310	12-66	2	300	16,795	3.94	662	8	13,050	3.65	476	3-70	40	996	-.01	35	55
23-36-0794	5669234	1189870	7-62	3	303	22,387	3.76	842	17	16,893	3.77	637	12-68	42	887	.01	34	51
23-36-0794	6340160	1237057	3-65	3	305	24,400	3.59	875	25	16,200	3.75	607	10-69	42	1,256	-.05	37	63
23-36-0794	6677239	1300014	1															

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS MILK FAT FAT (L8) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (LB)	LAST T CALVO C MO-YR D	.....C O W MILK (L8)	I N D E X..... FAT (%) (LB)	..... FAT (%) (LB)	..... OOL- LARS
23-36-0817	6589064	1337741	9-64	2 305 20,390 3.57 728	9 15,640 3.64 570	6-69	40	817	.00	29 \$ 45
23-36-0818	011803551	010275932	1-63	2 305 21,570 3.40 734	6 15,750 3.61 568	3-69	40	743	-.02	24 39
23-36-0819	6364893	1337741	8-65	3 302 18,210 3.81 693	14 14,923 3.67 547	11-69	42	700	.03	29 42
23-36-0819	6480463	1320310	11-65	2 305 17,465 3.48 608	8 14,530 3.77 548	3-69	40	929	-.07	23 43
23-36-0819	6770065	1261857	11-66	2 305 18,560 3.25 603	11 15,640 3.61 565	12-69	40	755	.01	29 44
23-36-0823	6884410	1320310	12-66	1 305 16,570 4.02 666	5 14,520 3.60 523	8-69	35	823	-.01	28 45
23-36-0824	6687221	1347940	9-66	1 305 17,300 3.44 595	12 15,300 3.57 546	2-69	36	729	-.02	24 39
23-36-0826	6143765	1329588	10-64	3 293 17,580 3.70 651	5 13,337 3.83 511	10-69	42	715	-.03	22 37
23-36-0828	7121321	1320310	10-67	1 305 16,950 3.71 629	14 14,340 3.72 533	10-69	35	864	-.04	25 43
23-36-0829	6077206	1189870	1-64	2 302 21,160 3.57 755	24 15,235 3.71 565	10-69	40	844	-.01	29 46
23-36-0829	6286202	1320310	2-65	3 303 17,977 3.38 608	25 15,663 3.62 567	2-70	42	892	-.08	21 41
23-36-0829	6864891	1399824	8-67	1 305 24,790 3.57 886	18 14,620 3.66 535	10-69	36	1,158	.01	43 66
23-36-0829	7097978	1399824	2-68	1 305 20,190 3.65 737	18 15,450 3.60 556	1-70	36	760	.02	31 45
23-36-0831	7280085	1399824	4-67	1 294 20,130 3.97 800	9 15,760 3.80 599	12-69	36	735	.04	32 46
23-36-0835	6828336	1320310	5-67	1 305 16,210 3.31 537	5 13,360 3.85 515	4-69	35	875	-.08	19 38
23-36-0837	6560070	1320310	6-65	1 305 18,690 3.67 685	9 15,870 3.84 609	11-68	35	892	-.06	24 43
23-36-0837	6741610	1347940	12-66	1 288 18,300 3.69 676	10 14,760 3.73 550	10-68	36	840	.00	30 47
23-36-0837	6741611	1347940	1-67	1 305 20,250 3.97 803	7 15,110 3.77 570	12-68	36	961	.02	38 56
23-36-0837	6741612	1347940	1-67	1 266 18,580 3.75 697	7 15,110 3.77 570	12-68	36	837	.00	30 47
23-36-0839	6605266	1309574	4-66	2 305 17,245 3.60 621	11 12,790 3.78 483	10-69	40	673	.02	27 40
23-36-0840	6796292	1261857	4-66	2 303 22,795 3.47 791	38 16,185 3.60 583	10-69	40	1,135	.04	47 68
23-36-0842	5986559	1347940	9-63	1 305 18,600 3.86 718	6 14,440 4.10 592	12-68	36	883	-.01	30 48
23-36-0842	6763889	1347940	2-67	1 305 17,630 3.89 685	8 15,060 3.80 573	5-69	36	770	.01	29 44
23-36-0842	6843535	1399824	4-67	1 305 18,700 3.60 674	11 14,160 3.96 561	7-69	36	736	.00	26 41
23-36-0842	6881324	1347940	10-67	1 305 16,900 3.56 602	9 14,090 3.82 538	2-70	36	780	-.02	25 41
23-36-0844	5682467	1154946	4-62	4 305 20,738 3.70 768	12 16,055 3.67 589	3-70	44	780	-.01	26 42
23-36-0850	4737345	1060259	10-58	8 304 19,041 3.72 709	8 16,095 3.75 603	2-69	44	736	-.02	23 38
23-36-0850	6563498	1309574	2-66	2 302 20,920 3.77 789	14 15,985 3.83 612	9-69	40	754	.03	32 46
23-36-0850	6563500	1320310	4-66	2 305 19,375 3.85 746	12 15,520 3.83 594	10-69	40	1,033	-.03	33 54
23-36-0881	6587055	1347940	6-66	1 305 19,190 3.31 635	11 14,530 3.79 551	7-69	36	921	-.05	26 45
23-36-0882	6591252	1320310	6-66	1 305 16,290 3.15 513	17 12,540 3.80 476	8-69	35	937	-.09	20 41
23-36-0886	6961089	1347940	8-67	1 305 17,230 3.64 628	18 13,380 3.92 524	7-69	36	852	-.02	28 45
23-36-0887	6716686	1399824	6-66	1 305 19,400 3.62 703	5 15,530 3.64 566	2-70	36	696	.01	27 40
23-36-0901	6823415	1347940	1-67	1 278 18,430 3.68 678	10 16,570 3.57 591	10-69	36	728	.01	27 41
23-36-0901	7283329	1309574	10-67	1 305 20,660 3.63 749	6 16,940 3.44 583	8-69	36	547	.05	27 37
23-36-0908	6155991	1320310	11-64	3 305 18,160 3.77 684	8 15,207 3.79 577	3-70	42	962	-.04	29 49
23-36-0908	6654648	1320310	9-66	2 304 20,330 3.57 725	13 15,870 3.81 604	11-69	40	1,098	-.06	30 53
23-36-0908	6705638	1320310	10-66	1 305 19,200 3.31 636	10 14,820 3.87 574	6-69	35	1,002	-.09	22 44
23-36-0909	6515417	1441440	2-66	1 305 17,920 3.49 626	20 12,860 3.61 464	1-70	35	802	.00	29 45
23-36-7335	6721876	1347940	7-66	1 305 20,600 3.09 636	5 15,110 3.75 566	2-70	36	987	-.07	25 46
23-37-0012	6038471	1415405	3-64	3 305 19,417 3.70 718	9 15,383 3.61 556	1-69	42	696	-.01	24 38
23-37-0064	6871531	1441440	6-67	1 305 17,560 3.87 680	6 15,280 3.81 582	7-69	35	610	.02	25 37
23-37-0074	6699516	1396768	12-66	2 305 22,965 3.84 881	15 14,380 3.60 518	12-69	40	1,054	.02	41 61
23-37-0077	6812106	1441440	3-67	1 167 19,080 3.41 651	8 14,360 3.54 509	9-69	35	787	.00	28 44
23-37-0080	6457643	1441440	6-65	2 305 17,380 3.12 542	9 12,705 3.42 435	1-70	40	866	-.04	26 44
23-38-0005	5424206	1306250	9-61	4 302 20,780 3.87 804	18 16,065 3.85 619	2-70	36	647	.02	26 38
23-38-0014	5986007	1189870	4-62	5 298 17,270 4.00 690	12 13,758 4.06 559	10-68	44	664	.01	26 39
23-38-0017	5099280	1189870	7-59	5 305 21,304 3.66 779	19 14,112 3.91 552	1-70	44	1,144	-.02	38 61
23-38-0017	5208941	1244845	8-60	7 305 19,966 4.16 830	24 15,746 3.88 611	2-69	44	780	.03	33 48
23-38-0017	5815443	1378123	8-62	5 305 17,642 4.62 815	16 14,330 3.96 567	9-69	36	522	.14	39 46
23-38-0017	5815444	1378123	10-62	5 305 20,002 3.83 766	23 15,576 3.95 616	6-69	36	706	.00	25 39
23-38-0029	5872787	1399824	2-63	2 303 18,780 3.96 743	11 15,575 3.83 597	10-68	40	714	.04	32 45
23-38-0030	5985802	1316590	7-63	3 305 22,197 3.51 780	19 14,280 3.84 549	3-69	42	925	-.02	30 49
23-38-0030	6031963	1189870	4-63	4 293 19,460 3.91 760	17 15,248 3.86 589	3-69	44	753	.03	31 45
23-38-0030	6929554	1320310	2-67	2 291 18,050 3.48 628	19 16,075 3.73 599	2-70	40	846	-.07	20 39
23-38-0030	7082784	1320310	3-67	1 305 19,620 3.77 740	20 15,500 3.84 595	7-69	35	987	-.04	29 50
23-38-0036	6986635	1458744	5-67	1 305 15,730 3.81 600	9 14,110 3.69 521	12-69	36	680	.00	25 38
23-38-0039	5621718	1320310	2-62	3 305 18,653 3.44 641	14 15,213 3.56 541	11-68	42	1,018	-.06	28 50
23-38-0039	6220784	1320310	9-64	4 303 19,335 3.40 657	30 16,220 3.61 585	1-70	43	1,005	-.08	25 47
23-38-0045	6738004	1301864	8-66	1 305 21,080 3.96 834	23 15,100 3.73 563	9-68	36	631	.04	29 40
23-38-0053	5708090	1399824	9-62	5 305 19,102 3.62 691	24 15,664 3.73 584	10-69	44	812	.00	30 46
23-38-0053	6100473	1337741	6-64	4 304 19,443 3.65 709	37 15,788 3.75 592	11-69	43	776	-.01	27 43
23-38-0053	6404601	1347940	9-65	3 305 17,663 3.54 626	33 15,896 3.76 598	1-70	42	743	-.03	22 38
23-38-0053	6675322	1441440	12-66	2 305 20,140 3.47 698	30 16,420 3.73 612	1-70	40	806	-.02	26 42
23-38-0053	6877433	1399824	3-67	1 305 18,650 3.87 721	35 15,990 3.67 587	10-69	36	609	.03	27 38
23-38-0053	7097538	1458744	1-68	1 305 18,920 3.48 658	7 16,660 3.71 618	4-70	36	747	-.03	23 38
23-38-0111	6583409	1441440	8-65	3 300 15,790 3.83 605	23 13,366 3.86 516	11-69	42	664	.01	26 39
23-38-0111	6583410	1441440	8-65	3 305 17,580 4.15 729	21 13,463 3.84 517	12-69	42	862	.07	41 56
23-38-0111	7158194	1261857	2-67	1 305 15,030 3.78 568	24 13,060 3.86 504	8-69	36	610	.06	31 42
23-38-0117	6258261	1340669	1-65	4 303 19,705 3.42 673	17 14,310 3.75 536	2-70	44	915	-.11	16 37
23-38-0117	6549455	1347940	4-66	1 305 17,780 3.94 700	23 13,460 3.70 498	9-68	36	888	.02	35 52
23-38-0126	7039691	1261857	8-67	1 305 19,190 3.72 714	22 16,160 3.79 613	10-69	36	713	.06	35 48
23-38-0129	6956694	1320310	11-67	1 294 18,650 3.26 608	17 16,680 3.62 603	1-70	35	834	-.08	18 37
23-38-0129	6995483	1399824	4-67	2 305 19,405 3.34 648	16 15,780 3.75 591	3-70	40	759	-.04	22 38
23-38-0141	6566357	1347940	4-66	2 305 17,675 3.77 667	26 14,650 3.82 560	10-69	40	850	.00	30 47
23-38-0141	6831453	1347940	4-67	1 305 15,800 3.61 570	23 13,900 3.78 526	7-69	36	711	-.02	23 38
23-38-0141	6904355	1347940	6-67	1 305 21,360 2.93 625	27 15,460 3.81 589	11-69	36	1,021	-.09	23 46
23-38-0157	4937698	1189870	7-59	8 302 20,004 3.51 702	19 14,503 3.76 546	4-69	44	931	-.03	29 48
23-38-0157	6527061	1347940	1-66	2 305 20,105 3.44 692	19 14,690 3.81 559	3-69	40	1,093	-.04	33 56
23-38-0157	6630228	1347940	9-66	2 305 23,010 3.37 776	20 14,155 3.91 554	11-69	40	1,437	-.06	42 72
23-38-0157	6944253	1347940	8-67	1 305 16,100 3.93 632	24 14,020 3.82 536	8-69	36	725	.01	27 41
23-38-0161	6503657	1441440	2-66	2 300 20,380 3.52 718	23 15,190 3.71 563	8-69	40	944	-.01	33 52
23-38-0161	6825173	1441440	12-66	1 305 19,430 3.92 761	25 14,630 3.70 542	8-69	35	795	.04	34 49
23-38-0165	5763794	1189870	3-63	3 305 18,587 3.96 736	6 14,637 3.61 528</					

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C REPT	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS	
23-38-0173	6826610	1458744	1-67	2 305	18,945	3.36	637	22	14,255	3.59	512	3-70	40	1,004	-.03	31	\$ 52
23-38-0174	5914100	1329588	10-63	3 305	19,837	3.60	715	6	15,503	3.55	551	9-68	42	750	-.01	25	40
23-38-0187	6264874	1320310	10-64	3 288	17,893	3.73	668	20	15,283	3.58	547	9-68	42	922	-.02	30	49
23-38-0196	6842150	1399824	10-66	2 305	18,625	3.43	638	11	14,840	3.50	520	4-70	40	766	.00	28	43
23-38-0196	6842152	1309574	4-67	1 305	16,960	4.07	691	38	12,170	3.78	460	8-69	36	591	.07	31	41
23-38-0201	6800823	1320310	1-67	1 305	18,000	3.64	656	9	15,990	3.81	610	6-69	35	831	-.05	22	40
23-38-0206	5277307	1189870	10-60	6 298	15,075	4.60	694	16	12,960	3.79	491	10-68	44	474	.12	34	41
23-38-0208	6546705	1458744	4-66	2 305	17,710	3.56	631	9	15,270	3.84	587	2-69	40	786	-.04	23	39
23-38-0208	6752578	1347940	3-67	1 305	22,950	3.14	721	11	15,280	3.74	572	5-69	36	1,151	-.07	31	56
23-38-0208	7099177	1347940	10-67	1 305	22,350	3.40	761	20	16,120	3.56	574	1-70	36	1,050	-.03	34	55
23-38-0212	5995239	1189870	11-63	3 296	18,703	3.83	716	10	14,960	3.70	553	10-68	42	664	.03	28	40
23-38-0217	6020793	1399824	3-63	3 299	17,006	3.90	663	12	14,826	3.73	553	6-69	42	621	.04	28	39
23-38-0218	4985448	1350474	12-59	4 301	20,795	3.50	728	26	16,072	3.59	577	4-69	37	828	-.03	26	43
23-38-0218	5415880	1189870	8-61	5 305	19,688	3.93	773	20	16,578	3.70	614	12-69	44	649	.05	30	42
23-38-0218	6660603	1347940	7-66	2 305	18,405	3.70	681	25	16,255	3.77	613	9-69	40	777	-.01	27	43
23-38-0218	6779149	1357743	6-66	1 305	25,780	3.58	923	28	17,780	3.63	645	1-70	36	753	-.03	23	39
23-38-0224	6684988	1330987	7-66	2 303	20,280	3.68	746	32	15,800	3.69	583	8-69	40	797	.04	35	50
23-38-0229	6579048	1347940	4-66	2 305	16,345	3.72	608	9	13,805	4.06	561	9-69	40	792	-.03	24	40
23-38-0229	6579049	1347940	4-66	2 305	20,695	3.50	724	9	13,805	4.06	561	9-69	40	1,234	-.06	36	62
23-38-0241	5566598	1343665	11-61	4 302	20,368	3.86	787	7	15,613	3.73	582	12-69	43	854	.04	36	52
23-38-0242	6547483	1320310	3-65	2 305	20,800	3.35	696	16	18,365	3.62	665	2-69	40	917	-.08	21	41
23-38-0242	6547484	1320310	6-65	2 305	20,855	3.35	699	17	18,415	3.68	678	1-69	40	918	-.09	20	40
23-38-0242	6547490	1244845	10-65	2 305	22,665	3.61	819	16	18,045	3.62	653	11-68	40	739	-.03	22	37
23-38-0244	5749558	1189870	2-62	5 302	18,082	3.82	691	11	14,920	3.73	557	5-69	44	634	.02	26	38
23-38-0244	5794617	1189870	11-62	5 299	18,056	4.03	728	7	15,490	3.67	569	7-69	44	565	.07	30	40
23-38-0244	6605179	1347940	9-66	2 212	18,510	3.75	695	12	15,925	3.96	630	3-70	8 40	818	-.02	27	44
23-38-0246	6324458	1448051	6-65	3 302	18,600	3.72	691	11	15,150	3.79	574	11-69	35	830	-.03	25	42
23-38-0247	6953749	1415405	12-67	1 305	22,960	3.37	773	9	15,130	3.67	555	12-69	35	831	-.05	22	40
23-38-0249	6399249	1427576	7-65	2 305	21,925	3.60	789	15	16,880	3.68	622	12-69	25	676	-.01	23	37
23-38-0249	6439429	1347940	12-65	2 301	20,540	3.48	714	12	16,805	3.67	616	1-70	40	944	-.03	30	49
23-38-0251	6321742	1347940	2-65	3 303	15,490	3.52	546	11	13,523	3.53	478	6-69	42	739	-.01	25	40
23-38-0251	6779179	1347940	8-66	1 305	16,440	3.62	595	11	13,750	3.69	508	4-69	36	769	-.01	26	42
23-38-0251	6779182	1347940	9-66	1 305	16,770	3.70	620	11	13,750	3.69	508	4-69	36	793	.00	28	44
23-38-0251	6817910	1347940	8-66	1 271	15,400	3.68	566	11	13,750	3.69	508	4-69	36	691	-.01	24	38
23-38-0252	6499954	1337741	3-66	1 305	18,180	4.39	799	7	15,080	3.71	559	4-69	35	579	.07	31	41
23-38-0253	6100563	1294703	6-64	1 305	17,400	3.43	597	9	12,010	3.76	452	10-69	35	814	-.06	21	39
23-38-0254	6685104	1330987	8-66	2 305	19,770	3.50	692	19	14,800	3.68	544	2-70	40	837	.02	33	49
23-38-0254	6743784	1458744	12-66	1 305	16,260	3.54	575	65	12,980	3.67	476	9-69	36	795	-.02	26	42
23-38-0254	6824674	1320310	12-66	1 305	15,380	3.36	516	48	13,040	3.62	472	7-69	35	834	-.07	20	38
23-38-0254	6926129	1441440	5-67	1 305	16,740	3.83	641	57	12,840	3.64	468	8-69	35	714	.03	30	43
23-38-0256	6342570	1329063	12-64	3 300	19,740	3.68	727	17	14,293	3.58	512	7-69	41	658	.03	28	40
23-39-0015	6600805	1441440	5-66	2 305	18,570	3.75	697	56	15,480	3.62	561	1-70	40	733	.03	31	45
23-39-0029	6738889	1347940	3-66	3 290	16,030	3.73	598	7	13,000	3.89	506	1-70	42	855	-.02	28	45
23-39-0029	6738890	1347940	3-66	3 305	17,330	3.47	601	5	14,226	3.70	527	3-70	42	878	-.03	27	45
23-39-0029	6738892	1347540	8-66	2 296	16,045	3.47	557	8	12,660	4.01	508	11-69	40	866	-.05	24	42
23-39-0032	6577561	1237057	2-66	2 305	20,170	3.75	757	7	14,820	3.91	580	12-69	40	849	-.04	24	42
23-39-0036	6920686	1347940	5-67	1 289	19,550	3.79	741	19	14,600	3.75	548	5-69	36	943	.01	35	54
23-39-0036	7136719	1347940	1-68	1 305	17,770	3.61	641	12	14,430	3.61	521	1-70	36	822	.00	29	45
23-39-0065	5302396	1179372	11-60	4 305	17,658	3.41	603	13	13,003	3.62	471	12-69	44	772	-.02	25	41
23-39-0065	6207554	1401112	8-64	1 305	16,770	3.71	622	7	13,590	3.48	473	4-70	26	801	.01	30	46
23-39-0105	6448327	1347940	8-65	2 305	16,420	4.29	705	10	14,175	3.77	534	4-69	40	766	.06	36	50
23-39-0105	6509068	1347940	4-66	2 291	19,030	3.29	627	11	14,205	3.73	530	9-69	40	1,028	-.05	29	51
23-39-0105	6685482	1347940	11-66	2 290	16,700	3.58	598	13	14,525	3.74	543	9-69	40	762	-.02	25	41
23-39-0106	6468055	1347940	9-65	3 304	19,286	3.83	738	9	14,686	3.89	571	11-69	42	1,055	.00	38	59
23-39-0106	6468056	1347940	11-65	1 305	17,960	4.23	759	10	14,360	3.95	567	10-68	36	841	.03	35	51
23-39-0106	6655242	1347940	6-66	2 305	17,600	4.09	720	6	13,510	3.93	531	9-69	40	947	.03	38	56
23-39-0106	6655243	1347940	6-66	2 305	16,010	3.80	608	6	13,510	3.93	531	9-69	40	785	-.01	27	43
23-39-0106	6859041	1347940	2-67	1 305	18,080	3.63	657	7	15,670	3.88	608	4-69	36	762	-.02	24	40
23-39-0106	7020214	1347940	10-67	1 305	18,610	3.76	700	9	14,710	3.83	563	11-69	36	866	-.01	30	47
23-39-0107	6141663	1325017	7-64	3 305	24,720	3.03	750	29	17,326	3.91	677	4-69	36	1,259	-.19	16	46
23-39-0107	6473952	1441440	9-65	2 303	17,340	3.92	679	38	13,360	3.82	511	1-69	40	802	.03	33	48
23-39-0107	6901820	1347940	7-67	1 305	20,450	3.46	708	59	15,080	3.73	562	9-69	36	978	-.03	31	51
23-39-0107	7039241	1471956	3-68	1 305	21,660	2.76	597	52	15,060	3.65	549	2-70	33	1,032	-.13	18	42
23-39-0113	7208108	1347940	7-67	1 305	18,820	3.20	602	8	12,180	3.98	485	6-69	36	1,051	-.07	28	51
23-39-0113	7208110	1347940	8-67	1 305	16,930	3.60	610	6	12,550	3.63	456	12-69	36	886	-.01	31	49
23-40-0045	5953368	1401112	5-63	4 289	15,217	4.18	636	21	13,645	3.80	518	9-68	36	680	.05	32	44
23-40-0045	6413535	1417208	9-65	2 305	19,000	3.75	712	35	13,845	3.73	517	2-69	40	930	.02	36	54
23-40-0045	6471044	1206797	12-65	2 305	19,290	3.62	699	37	14,120	3.75	530	1-69	40	760	-.02	25	40
23-40-0045	6471047	1347940	12-65	3 303	15,636	3.59	561	29	13,263	3.77	500	11-69	42	783	-.02	25	41
23-40-0045	6611818	1458744	8-66	2 305	17,075	4.01	685	31	14,430	3.77	544	3-70	4				

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C OC O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS
23-40-0054	7070011	1347940	7-66	2 294	15,420	3.80	586	21 13,805	3.90	539	3-70	40	698	-.01	24	\$ 38	
23-40-0054	7070012	1347940	8-66	2 299	16,445	3.85	641	21 13,805	3.90	539	3-70	40	823	.00	30	46	
23-40-0054	7070014	1347940	10-66	2 305	16,905	3.76	635	23 13,780	3.90	538	3-70	40	851	-.01	29	46	
23-40-0054	7070016	1347940	12-66	2 300	16,770	3.74	627	22 13,895	3.92	544	2-70	40	827	-.01	28	45	
23-40-0100	7027444	1347940	8-66	1 305	17,790	3.75	668	11 15,190	3.84	584	4-69	36	773	-.01	27	42	
23-40-0100	7027450	1347940	3-67	1 305	21,600	3.39	732	11 14,810	3.94	583	3-69	36	1,082	-.05	31	54	
23-40-0103	6726045	1347940	11-66	1 305	17,230	3.92	675	12 14,200	3.84	545	1-69	36	797	.01	30	46	
23-40-0126	6485721	1347940	11-65	2 305	21,735	3.85	837	23 16,850	3.85	649	9-69	40	1,061	.00	39	60	
23-40-0126	6579984	1273756	1-66	1 305	19,570	3.85	754	21 16,450	3.93	647	5-69	36	607	.03	26	37	
23-40-0126	6706658	1347940	3-66	2 289	19,495	3.54	690	20 17,995	3.78	680	2-69	40	729	-.03	22	37	
23-40-0135	6375896	1409876	10-64	2 305	19,185	4.10	786	5 13,925	4.09	570	4-69	25	665	.03	28	40	
23-40-0138	6598084	1347940	7-66	1 305	20,760	3.66	760	7 16,640	3.77	628	9-68	36	897	-.01	31	49	
23-40-0138	6866899	1448051	3-67	1 305	21,600	3.52	760	7 15,520	3.67	569	3-69	27	941	-.05	27	47	
23-40-0142	5787864	1124780	3-63	4 305	21,185	4.04	855	13 16,540	3.60	596	10-69	44	686	.08	37	49	
23-41-0009	6390287	1347940	10-65	3 305	17,970	3.00	539	7 12,866	3.43	441	9-69	42	1,092	-.08	28	52	
23-41-0009	6702702	1347940	12-66	2 302	16,760	3.41	572	12 13,975	3.53	493	12-69	40	819	-.02	27	44	
23-41-0021	5770029	1347940	8-62	5 305	18,942	3.56	674	21 15,524	3.59	557	12-69	44	960	-.01	33	52	
23-41-0021	6361665	1347940	9-63	2 305	19,090	3.25	621	17 15,785	3.59	567	6-69	40	890	-.05	25	44	
23-41-0021	6373642	1347940	9-64	3 305	19,106	3.30	630	18 15,350	3.62	556	3-69	42	966	-.05	27	47	
23-41-0021	6426703	1347940	4-64	3 305	20,103	3.80	764	20 15,363	3.59	551	3-69	42	1,079	.03	43	64	
23-41-0021	6603451	1347940	9-65	2 305	18,270	3.59	656	17 14,845	3.64	540	9-69	40	893	-.01	31	49	
23-41-0021	6622370	1347940	4-66	1 305	21,080	3.43	723	25 17,610	3.52	620	4-69	36	856	-.02	28	45	
23-41-0021	6840319	1347940	9-65	3 305	20,580	3.47	715	20 15,433	3.62	558	12-69	42	1,127	-.03	36	59	
23-41-0021	6840320	1347940	9-65	3 305	18,683	3.46	647	20 16,106	3.59	579	2-70	42	839	-.03	26	43	
23-41-0021	7031652	1347940	5-66	2 305	19,030	3.66	697	18 16,100	3.57	574	1-70	40	855	.01	32	49	
23-41-0021	7099311	1347940	8-67	1 305	16,860	3.55	599	27 15,270	3.61	552	12-69	36	698	-.01	24	38	
23-41-0021	7108529	1347940	9-66	2 289	18,735	3.66	686	21 17,050	3.58	610	3-70	40	738	.01	28	42	
23-41-0021	7108530	1347940	9-66	1 305	19,380	3.69	715	23 17,240	3.53	608	5-69	36	754	.01	29	44	
23-41-0021	7108531	1347940	9-67	1 305	17,880	3.55	635	24 15,900	3.58	569	1-70	36	732	-.01	25	40	
23-41-0021	7154285	1347940	10-67	1 305	19,700	3.51	692	21 16,570	3.61	599	2-70	36	823	-.02	27	44	
23-41-0021	7161847	1347940	11-66	1 305	19,850	3.64	723	18 16,590	3.56	590	6-69	36	832	.00	30	46	
23-41-0021	7161848	1347940	3-67	1 304	18,970	3.60	682	18 16,590	3.56	590	6-69	36	767	.00	27	42	
23-41-0021	7161850	1347940	5-67	1 305	20,500	3.51	720	17 16,490	3.64	600	3-70	36	887	-.02	29	47	
23-41-0021	7162158	1347940	11-66	1 305	20,060	3.63	728	25 17,610	3.52	620	4-69	36	780	.01	29	44	
23-41-0021	7294967	1347940	12-67	1 305	20,070	3.67	754	17 16,490	3.64	600	3-70	36	893	.00	32	50	
23-41-0029	5532937	1347940	12-61	5 305	15,760	4.00	631	8 13,004	3.59	467	3-69	44	842	.05	38	53	
23-41-0029	6127919	1347940	8-64	3 305	16,263	3.64	592	8 13,516	3.73	504	12-68	42	829	-.01	28	45	
23-41-0046	6242194	1347940	2-65	2 305	17,965	3.79	680	13 15,045	3.65	549	11-69	40	843	.02	33	49	
23-41-0046	6807806	1347940	1-67	1 305	18,980	3.68	699	11 16,300	3.69	602	10-69	36	787	.00	28	44	
23-41-0046	6807807	1347940	3-67	1 305	19,510	3.48	678	9 16,560	3.67	608	11-69	36	809	-.02	26	43	
23-41-0047	5914540	1347940	4-63	5 305	18,514	3.58	662	15 15,638	3.73	584	2-70	44	892	-.03	28	46	
23-41-0047	5914541	1347940	5-63	5 297	18,028	3.59	648	15 15,372	3.73	573	10-69	44	860	-.02	28	46	
23-41-0047	6277532	1347940	12-64	4 290	17,242	3.89	670	14 15,545	3.71	576	3-70	44	735	.02	30	44	
23-41-0047	6653924	1347940	3-66	2 305	19,125	4.55	870	16 15,970	3.74	598	9-69	40	877	.10	47	62	
23-41-0047	6781333	1469311	12-66	2 305	20,845	3.59	748	16 16,790	3.70	622	12-69	40	651	.02	27	39	
23-41-0047	6781335	1347940	11-66	1 305	19,320	3.62	700	17 16,170	3.75	606	1-69	36	821	-.01	28	45	
23-41-0050	4427216	975138	3-57	4 303	19,050	3.62	689	9 13,348	3.78	504	4-69	44	921	-.05	26	45	
23-41-0050	6611074	1347940	4-66	2 303	17,215	3.78	650	12 14,850	3.86	573	12-69	40	785	-.01	27	43	
23-41-0065	6014869	1222994	7-63	4 305	16,675	3.71	619	41 11,950	3.52	421	6-69	44	844	.02	34	50	
23-41-0065	6898028	1377954	8-67	1 305	15,750	3.57	562	48 12,070	3.54	427	9-69	36	631	.02	26	38	
23-41-0070	6882583	1458744	3-67	1 305	19,550	3.44	672	9 14,740	3.91	576	5-69	36	923	-.05	26	46	
23-41-0072	5543746	1189870	12-61	4 305	20,178	3.57	721	13 14,630	3.86	564	7-69	44	910	-.03	29	48	
23-41-0072	6997660	1347940	11-67	1 305	17,970	3.90	700	9 15,530	4.08	633	1-70	36	763	-.01	26	41	
23-41-0072	7042862	1347940	7-67	1 305	21,550	3.93	846	14 15,890	3.90	619	6-69	36	1,006	.01	38	58	
23-41-0073	6216209	1244845	12-63	3 305	20,463	3.29	674	20 15,413	3.46	534	6-69	42	818	-.06	20	38	
23-41-0073	6258345	1239242	3-65	2 305	20,580	3.50	720	37 16,510	3.58	591	2-70	40	706	-.02	23	37	
23-41-0074	6438256	1347940	10-65	2 305	17,440	3.89	679	8 14,220	3.76	535	6-69	40	865	.02	34	51	
23-41-0074	6438258	1347940	1-66	2 305	19,145	3.95	757	8 14,755	3.75	553	11-69	40	990	.03	40	59	
23-41-0074	6583063	1347940	7-66	1 305	17,490	3.70	648	12 15,260	3.95	603	1-69	36	746	-.02	24	39	
23-41-0074	6814456	1347940	2-67	1 305	16,850	3.59	605	10 14,390	3.72	535	9-69	36	756	-.02	25	40	
23-41-0095	6922154	1347940	8-67	1 305	15,940	3.72	593	36 13,650	3.62	494	8-69	36	738	.00	27	42	
23-41-0095	7004068	1471556	1-68	1 302	18,070	3.21	580	15 14,180	3.54	502	3-70	33	811	-.06	20	38	
23-41-0106	6218037	1347940	9-64	3 305	15,160	3.54	536	5 12,823	3.73	478	10-69	42	774	-.03	24	40	
23-41-0106	6777172	1347940	1-67	1 305	15,090	3.50	528	8 13,460	3.63	489	4-69	36	688	-.01	23	37	
23-41-0120	6825727	1480928	10-66	1 305	21,010	4.12	866	11 15,130	3.88	587	7-69	19	570	.05	28	38	
23-41-0144	6145863	1347940	8-64	4 290	16,990	3.82	649	10 14,227	3.89	554	10-69	44	851	.00	30	47	
23-41-0144	6645865	1347940	6-66	2 302	17,465	3.85	672	10 13,780	3.88	535	10-69	40	908	.00	33	51	
23-41-0144	6810795	1347940	12-66	2 304	17,950	3.66	657	10 13,855	3.87	536	11-69	40	950	-.02	31	50	
23-41-0144	6810796	1347940	2-67	1 305	15,840	4.00	634	11 13,690	3.83	524	10-69	36	728	.01	28	42	
23-41-0144	6913113	1347940	6-67	1 297	15,700	3.73	585	5 14,110	3.83	540	12-69	36	689	-.01	23	37	
23-41-0145	5360789	1216957	4-61	3 305	22,370	3.92	878	14 17,533	3.90	684	7-69	42	609	.05	29	40	
23-41-0178	6309864	1347940	9-64	3 294	19,286	3.35	647</										

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	OOL- LARS		
23-42-0051	6445556	1347940	4-65	3 305	17,730	3.95	700	11	15,036	3.76	566	2-70	42	840	.03	34	\$ 50
23-42-0051	6499410	1347940	2-66	1 305	16,720	3.66	612	7	13,760	3.76	518	5-69	36	789	-.01	27	43
23-42-0051	6698323	1347940	12-66	1 305	16,420	3.63	596	14	14,570	3.77	549	10-69	36	712	-.01	24	38
23-42-0051	6949378	1347940	7-67	1 305	16,700	3.77	629	12	13,900	3.76	523	9-69	36	778	.00	28	43
23-42-0113	5488221	1347940	10-61	6 300	16,950	3.78	641	14	14,598	3.73	545	7-69	44	811	.01	30	46
23-42-0113	6050097	1411224	12-63	3 305	21,543	3.25	701	21	14,810	3.84	568	1-70	41	945	-.11	17	39
23-42-0113	6346921	1347940	5-65	3 305	18,086	3.64	659	32	15,483	3.65	565	11-69	42	835	-.01	29	46
23-42-0113	6705583	1347940	9-66	2 305	17,410	3.81	663	30	15,445	3.65	563	12-69	40	750	.02	30	44
23-42-0113	6705586	1347940	10-66	2 294	17,705	3.37	596	20	14,370	3.58	515	3-70	40	879	-.03	27	45
23-42-0113	6705587	1347940	10-66	1 305	17,810	3.62	645	41	14,290	3.50	500	7-69	36	835	.01	31	47
23-42-0113	6705588	1347940	11-66	1 305	15,930	3.52	561	41	14,290	3.50	500	7-69	36	695	-.01	24	38
23-42-0113	6818627	1347940	2-67	1 305	18,360	3.75	688	43	14,520	3.55	515	8-69	36	860	.01	33	50
23-42-0116	6322498	1347940	1-65	3 302	18,303	3.60	659	19	15,433	3.79	585	12-69	42	865	-.03	27	45
23-42-0119	6247412	1215144	3-65	3 305	19,743	3.60	711	8	13,733	3.74	514	5-69	42	736	-.02	24	39
23-42-0119	6369083	1347940	9-65	3 301	19,463	3.33	649	9	15,116	3.97	600	2-70	42	1,031	-.08	25	48
23-42-0119	6791726	1347940	4-67	1 305	20,420	3.92	800	11	16,600	3.77	625	8-69	36	874	.02	34	51
23-42-0119	7003610	1347940	11-67	1 303	18,560	3.90	723	15	16,980	3.89	660	11-69	36	710	.00	26	40
23-42-0122	6509841	1347940	9-65	3 305	16,610	3.70	615	10	14,600	3.62	529	3-70	42	756	.00	28	43
23-42-0122	6727300	1347940	6-66	1 305	19,290	3.74	721	8	15,150	3.70	560	3-69	36	887	.00	32	50
23-42-0122	6798903	1347940	4-67	1 305	18,760	3.36	630	7	16,000	3.66	586	2-70	36	791	-.03	24	40
23-42-0122	7042516	1347940	7-67	1 305	18,750	3.63	680	12	15,930	3.61	575	10-69	36	795	.00	28	44
23-42-0122	7042518	1347940	8-67	1 305	20,060	3.65	733	12	15,910	3.68	586	9-69	36	894	-.01	31	49
23-42-0122	7042519	1347940	11-67	1 302	17,150	3.65	626	10	15,430	3.69	569	11-69	36	709	.00	25	39
23-43-0046	6176365	1396768	1-64	4 226	19,328	3.61	698	18	15,568	3.51	546	10-69	43	653	.00	24	37
23-43-0046	7074007	1458744	12-67	1 305	23,680	3.79	897	18	17,320	3.39	587	3-70	36	1,057	.03	43	63
23-43-0159	6073471	1355784	10-63	4 298	19,802	3.00	594	11	14,165	3.61	511	12-68	43	1,158	-.16	18	45
23-43-0177	6817389	1261857	5-67	1 305	19,100	3.93	751	12	17,250	3.49	602	10-69	36	633	.10	38	48
23-44-0003	5303616	1179372	12-60	7 302	20,690	3.70	765	23	16,964	3.56	604	2-70	44	725	.03	31	45
23-44-0003	6325563	1347940	1-65	2 305	20,240	3.69	746	36	16,695	3.56	594	10-69	40	923	.01	35	53
23-44-0003	6453097	1347940	8-65	2 305	18,840	3.36	633	31	16,685	3.65	609	10-68	40	782	-.04	22	39
23-44-0003	6459841	1179372	8-65	2 305	22,095	3.32	733	38	16,430	3.69	607	9-68	40	821	-.04	23	40
23-44-0003	6502408	1330981	10-65	2 305	22,990	3.50	804	26	16,520	3.55	586	6-69	40	695	.00	25	39
23-44-0003	6820002	1458744	7-66	1 305	27,420	3.50	959	6	17,070	3.46	591	3-69	36	1,353	-.01	47	74
23-44-0003	6910957	1347940	7-67	1 305	21,170	3.14	664	38	16,370	3.52	576	9-69	36	945	-.05	27	47
23-44-0003	6910958	1347940	7-67	1 305	20,040	3.33	668	35	17,010	3.45	586	10-69	36	818	-.02	27	44
23-44-0004	6246290	1347940	7-64	4 292	19,117	3.34	638	15	15,217	3.65	556	1-70	44	1,003	-.05	29	50
23-44-0004	6246292	1347940	12-64	3 301	18,566	3.59	667	17	14,683	3.60	528	6-69	42	973	-.01	34	53
23-44-0004	6590123	1347940	8-65	3 305	18,660	3.44	642	17	15,370	3.46	532	11-69	42	913	-.01	31	49
23-44-0004	6597514	1347940	5-65	3 305	19,963	3.27	653	8	15,843	3.60	570	1-70	42	1,013	-.06	28	50
23-44-0014	6774783	1347940	9-66	2 291	17,720	3.63	643	14	16,060	3.41	547	9-69	40	726	.02	29	43
23-44-0014	6774784	1347940	9-66	2 292	18,575	3.32	617	8	15,445	3.68	569	3-70	40	869	-.05	24	42
23-44-0020	6799608	1347940	5-67	1 305	19,840	3.36	667	5	17,130	3.43	588	12-69	36	795	-.02	26	42
23-44-0024	6504652	1347940	5-65	2 305	19,045	4.17	795	17	16,385	3.82	626	2-69	40	831	.05	37	52
23-44-0024	6504653	1347940	2-66	1 305	18,040	4.25	766	13	15,480	3.83	593	8-69	36	772	.03	33	47
23-44-0024	6973704	1261857	9-67	1 305	18,150	3.58	650	24	16,160	3.86	624	10-69	36	635	.04	29	41
23-44-0024	6973707	1347940	12-67	1 305	20,760	3.73	774	12	16,140	3.84	620	12-69	36	930	-.01	32	51
23-44-0025	5968712	1347940	3-63	4 305	19,447	3.34	650	17	15,755	3.59	565	2-69	44	984	-.04	29	50
23-44-0025	6461367	1347940	8-65	2 305	17,400	3.34	582	35	14,690	3.70	543	9-68	40	818	-.04	23	40
23-44-0025	6471203	1347940	8-65	3 305	19,320	3.15	608	27	15,303	3.67	562	11-69	42	995	-.08	24	46
23-44-0025	6572752	1347940	11-65	3 305	19,973	3.28	656	27	15,303	3.67	562	11-69	42	1,070	-.06	29	52
23-44-0025	6572754	1347940	12-65	3 305	18,306	3.81	698	17	15,706	3.62	568	2-70	42	837	.03	34	50
23-44-0025	6649707	1347940	7-66	2 305	20,815	3.36	699	26	15,930	3.63	579	11-69	40	1,052	-.04	32	54
23-44-0025	6688040	1347940	7-66	2 305	20,195	3.03	612	32	15,610	3.62	565	11-69	40	1,018	-.09	24	46
23-44-0025	6769694	1239242	12-66	1 305	22,150	3.86	854	23	15,830	3.46	548	6-69	36	769	.03	32	47
23-44-0025	6769696	1261857	3-67	1 305	18,060	3.49	631	30	16,160	3.49	564	7-69	36	628	.06	32	43
23-44-0025	6947773	1347940	8-67	1 305	19,390	3.59	696	18	16,320	3.57	582	2-70	36	816	.00	29	45
23-44-0025	7155898	1347940	9-67	1 305	24,760	3.06	757	31	16,540	3.59	594	10-69	36	1,202	-.07	33	59
23-44-0026	5325875	1189870	12-60	6 305	20,318	3.67	746	19	15,727	3.76	592	8-69	44	829	-.01	29	46
23-44-0026	6584512	1347940	2-66	2 305	17,160	3.54	608	18	15,410	3.71	572	7-69	40	728	-.02	23	38
23-44-0026	6704089	1469311	8-66	2 305	19,715	4.00	789	29	15,770	3.80	600	10-69	40	630	.07	33	44
23-44-0034	6224121	1347940	12-64	2 305	20,165	3.45	696	22	14,050	3.46	486	4-69	40	1,158	-.01	40	63
23-44-0036	6641784	1347940	5-66	2 298	18,145	3.47	629	10	12,795	3.59	459	9-69	40	1,067	-.02	36	58
23-44-0036	6810494	1347940	1-67	1 305	17,360	3.46	600	11	14,170	3.57	506	10-69	36	809	-.01	27	43
23-44-0052	7116040	1347940	3-68	1 305	19,130	3.73	714	7	15,260	3.58	547	3-70	36	868	.01	33	50
23-44-0059	5695206	1181029	1-62	4 305	20,023	3.89	779	16	14,935	3.48	519	3-70	44	718	.08	37	49
23-44-0061	6268545	1179372	2-65	3 305	21,820	3.15	687	9	15,347	3.67	564	9-69	42	974	-.07	24	45
23-44-0061	6784570	1309574	2-67	2 305	21,650	3.70	802	12	16,645	3.63	604	2-70	40	768	.04	34	48
23-44-0064	5242189	975138	4-60	4 305	18,813	3.43	646	12	13,630	3.58	488	2-69	44	860	-.06	22	41
23-44-0064	6314511	1347940	12-63	3 301	17,243	3.62	625	9	14,016	3.50	490	11-69	42	890	.01	33	50
23-44-0064	6314514	1347940	6-65	2 305	15,950	3.23	515	7	13,405	3.45	462	9-69	40	7			

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION.. COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C OC O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
23-44-0099	6712221	1347940	11-66	2 299	19,350	3.16	611	15 16,090	3.64	585	11-69	40	888	-.07	22	\$ 41	
23-44-0099	6712222	1347940	12-66	1 305	18,920	3.80	719	8 16,270	3.67	597	5-69	36	785	.01	30	45	
23-44-0099	6902775	1347940	4-67	1 302	17,720	3.56	631	10 14,860	3.52	523	7-69	36	790	.00	28	44	
23-44-0099	6941139	1347940	11-67	1 300	18,850	3.35	631	18 15,090	3.62	546	10-69	36	858	-.03	26	44	
23-44-0103	6157520	1347940	8-64	4 305	20,177	4.06	819	10 18,085	3.54	641	12-69	44	815	.08	41	55	
23-44-0103	6335574	1347940	2-65	3 305	21,896	3.73	816	18 17,650	3.49	616	8-69	42	1,049	.03	42	62	
23-44-0103	6440871	1287089	12-65	2 305	22,485	3.67	826	15 17,170	3.59	617	7-69	40	574	.04	27	37	
23-44-0103	6924632	1471956	11-67	1 305	27,010	3.44	929	13 20,290	3.58	726	1-70	33	1,083	-.05	32	55	
23-44-0104	6453884	1347940	10-65	3 298	17,600	3.39	596	6 14,833	3.76	557	1-70	42	846	-.05	23	41	
23-44-0104	6531296	1347940	3-66	2 305	17,750	3.67	651	11 14,890	3.55	529	8-69	40	836	.01	31	47	
23-44-0104	6584121	1347940	4-66	2 305	19,985	3.53	705	10 14,735	3.48	513	7-69	40	1,077	-.01	38	59	
23-44-0104	6622365	1347940	7-66	2 299	19,530	3.42	667	6 15,060	3.75	565	2-70	40	1,001	-.04	30	51	
23-44-0104	6924622	1347940	2-67	1 305	18,530	3.45	640	11 14,750	3.43	506	7-69	36	857	-.01	30	47	
23-44-0104	6963033	1347940	6-67	1 305	19,240	3.67	706	9 15,270	3.65	558	10-69	36	875	.00	31	48	
23-44-0111	4568292	1108504	11-57	6 277	21,045	3.40	716	19 15,167	3.61	548	8-69	44	891	-.04	26	45	
23-44-0111	5929381	1199324	9-63	4 305	19,745	3.56	702	17 15,375	3.69	568	1-70	44	1,011	-.03	32	53	
23-44-0111	6198739	1244845	11-64	4 298	19,818	3.51	696	12 14,855	3.82	567	4-70	44	839	-.06	21	39	
23-44-0111	6596248	1347940	10-65	2 305	18,655	3.64	679	14 16,200	3.73	605	4-69	40	808	-.01	27	43	
23-44-0111	6978755	1347940	11-67	1 305	16,500	3.84	634	18 14,900	3.74	557	1-70	36	696	.01	26	40	
23-44-0111	7180313	1347940	9-66	2 305	18,595	3.54	659	19 15,415	3.79	584	1-70	40	873	-.03	27	45	
23-44-0122	6610718	1469311	6-66	3 304	18,916	3.96	750	6 15,670	3.75	588	3-70	42	601	.07	32	42	
23-44-0132	5406217	1347940	8-61	4 305	17,475	3.62	633	10 13,470	3.48	469	1-70	44	995	.01	38	57	
23-44-0137	6622366	1347940	7-66	1 305	19,000	3.46	658	22 14,800	3.51	519	10-68	36	889	-.01	30	48	
23-44-0137	6980178	1347940	4-67	1 282	17,270	3.47	600	15 14,990	3.44	515	8-69	36	747	-.01	26	41	
23-44-0138	6780639	1347940	12-66	1 305	18,110	3.73	675	13 15,690	3.56	559	7-69	36	763	.01	29	44	
23-44-0139	6638081	1347940	7-66	2 304	15,670	3.29	516	5 13,870	3.37	468	7-69	40	718	-.02	23	38	
23-44-0145	6968210	1330987	9-67	1 305	19,540	3.72	727	13 15,360	3.61	555	1-70	36	667	.05	31	43	
23-44-0161	5379574	1189870	8-61	6 303	18,373	3.67	675	24 15,462	3.57	552	6-69	44	609	.02	25	37	
23-44-0161	6262080	1347940	11-64	2 294	21,665	3.38	732	6 19,795	3.62	716	2-70	40	785	-.04	23	39	
23-44-0161	6480935	1347940	3-66	2 305	23,350	3.35	782	8 18,345	3.53	647	3-69	40	1,088	-.03	34	56	
23-44-0161	7019663	1347940	3-67	1 305	19,560	3.28	641	11 18,050	3.40	613	6-69	36	713	-.02	23	38	
23-44-0162	5952419	1330987	10-63	4 303	19,420	3.98	773	15 16,698	3.59	599	12-69	44	676	.10	39	50	
23-44-0162	6607559	1330987	7-66	2 305	22,690	3.09	702	17 16,735	3.54	592	9-69	40	957	-.04	29	49	
23-44-0168	6841287	1347940	2-67	1 305	18,190	3.67	668	15 13,370	3.52	471	10-69	36	925	.00	34	52	
23-44-0174	6833511	1347940	1-67	1 305	20,430	3.23	659	16 13,870	3.21	445	6-69	36	1,058	-.02	35	57	
23-44-0174	6833512	1347940	3-67	1 305	18,350	3.37	618	16 13,870	3.21	445	6-69	36	903	.00	32	50	
23-44-0176	6491882	1347940	2-66	1 305	20,260	3.53	716	13 17,850	3.62	646	8-69	36	778	-.01	26	42	
23-44-0176	6766511	1329588	3-67	1 305	24,890	3.37	838	16 18,260	3.61	659	9-69	36	783	-.05	21	38	
23-44-0177	6157521	1347940	8-64	3 305	17,046	3.71	632	5 14,996	3.63	545	3-69	42	766	.00	28	43	
23-44-0177	6438216	1347940	8-65	2 305	19,175	3.84	737	10 14,990	3.66	549	11-68	40	971	.02	38	57	
23-44-0177	6636150	1347940	5-66	2 305	19,075	3.72	710	5 13,960	3.73	521	7-69	40	1,055	.00	38	59	
23-44-0177	6715536	1347940	9-66	1 305	19,310	3.56	688	8 14,040	3.71	521	7-69	36	963	-.02	32	52	
23-44-0177	6715537	1347940	9-66	2 305	19,650	3.31	650	8 15,410	3.87	597	11-69	40	981	-.07	25	46	
23-44-0177	6715538	1347940	10-66	2 305	17,590	3.64	640	6 16,060	3.75	603	3-70	40	713	-.01	24	38	
23-44-0177	6793587	1347940	10-66	1 305	18,940	3.47	658	6 14,870	3.71	551	2-69	36	880	-.03	28	46	
23-44-0180	6710845	1347940	9-66	2 305	17,845	3.36	600	7 15,305	3.38	517	11-69	40	807	-.01	27	43	
23-44-0194	6584033	1347940	2-66	2 305	16,660	3.86	643	6 14,565	3.66	533	3-69	40	755	.02	30	44	
23-44-0194	6633805	1347940	10-66	1 305	17,070	3.32	566	17 13,090	3.79	496	10-68	36	860	-.04	25	43	
23-44-0204	6390700	1347940	10-65	1 305	20,470	3.61	739	10 15,070	3.66	552	12-69	36	980	-.01	34	54	
23-44-0205	5757328	1399824	12-62	3 305	17,396	3.96	689	14 14,746	3.64	537	10-69	42	674	.06	33	45	
23-44-0205	6462399	1347940	10-65	1 305	19,630	3.88	761	8 16,290	3.83	624	11-69	36	836	.01	31	47	
23-44-0205	6672656	1469311	12-66	1 305	19,270	4.40	847	9 16,240	3.71	603	10-69	35	469	.11	33	40	
23-44-0206	6147718	1239242	11-64	1 305	22,450	3.38	759	11 16,250	3.24	527	11-69	36	763	.00	27	42	
23-44-0206	6946240	1399824	9-67	1 305	18,800	3.49	657	11 15,120	3.24	490	9-69	36	679	.03	29	42	
23-44-0207	6653975	1347940	1-66	1 305	19,330	3.34	645	5 16,270	3.66	596	2-69	36	815	-.04	24	41	
23-44-0207	6779986	1347940	2-67	1 305	24,050	3.03	728	9 17,310	3.57	618	9-69	36	1,097	-.07	29	53	
23-44-0207	7172705	1458744	8-67	1 305	19,600	3.48	683	11 17,780	3.50	622	9-69	36	722	-.01	24	39	
23-44-7004	6223592	1347940	12-64	1 270	17,380	3.59	624	13 14,920	3.69	550	12-69	36	760	-.01	26	41	
23-45-0012	6415488	1360676	9-65	1 305	21,480	3.82	821	14 15,790	4.27	674	9-68	34	923	-.02	31	50	
23-46-0102	5990876	1189870	10-63	4 281	21,955	3.62	794	8 15,968	3.80	606	8-69	44	981	-.02	33	53	
23-46-0102	6513788	1320310	9-65	3 305	21,203	3.27	693	17 17,257	3.89	671	11-69	42	1,101	-.13	20	45	
23-46-0112	6274715	1441598	11-64	3 305	20,953	2.97	622	13 14,370	3.67	527	11-69	30	1,068	-.14	17	42	
23-46-0112	6563795	1441440	11-65	2 305	19,840	3.10	616	8 15,170	3.60	546	4-69	40	891	-.05	24	43	
23-46-0112	6571441	1347940	11-65	2 305	19,530	3.34	653	12 13,945	3.59	501	6-69	40	1,103	-.04	34	57	
23-46-0112	6797263	1347940	9-66	2 305	17,285	3.44	595	13 15,205	3.58	545	12-69	40	760	-.02	24	40	
23-46-0113	6443638	1320310	6-65	3 305	21,243	3.73	792	13 16,463	4.04	665	2-70	42	1,189	-.07	32	57	
23-46-0113	6443641	1320310	11-65	3 210	18,367	3.73	686	12 16,337	4.11	671	11-69	42	867	-.08	19	38	
23-46-0113	6721302	1320310	9-66	1 305	21,870	3.70	810	12 15,650	4.12	645	10-68	35	1,147	-.07	31	55	
23-46-0117	5202669	1189870	11-60	6 304	19,880	3.40	675	7 15,320	3.91	599	12-69	44	820	-.07	19	37	
23-46-0117	6196621	1320310	10-64	4 304	17,528	3.87	679	10 14,973	4.02	602	10-69	43	920	-.05	26	45	
23-46-0117	6933689	1320310	9-67	1 305	17,760	3.98	706	7 16,240	4.19	681	10-69	35	796	-.06	20	37	
23-46-0119	6741721	1242221	12-66														

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS		
23-46-0233	6863435	1441440	10-65	3 297	17,413	4.18	727	37	14,960	3.80	569	12-69	42	686	.07	35	\$ 47
23-46-0238	5990223	1189870	9-63	3 305	18,993	4.13	784	11	16,307	3.84	626	12-68	42	558	.05	28	38
23-46-0238	5990224	1189870	10-63	4 302	21,443	3.77	809	16	16,348	3.85	630	10-68	44	876	.00	32	49
23-46-0238	6262375	1320310	10-64	3 305	21,727	3.24	705	10	15,363	4.02	618	8-69	42	1,361	-.14	27	58
23-46-0238	6826457	1320310	3-67	1 305	17,890	3.68	658	10	15,530	4.16	646	9-69	35	854	-.08	19	38
23-46-0238	6983277	1337741	12-67	1 305	21,000	3.95	829	13	17,320	3.76	651	2-70	35	640	.03	27	39
23-46-0243	6546196	1411026	5-65	3 305	21,140	3.68	778	8	14,760	3.99	589	2-70	42	734	.00	26	41
23-46-0244	6620468	1309574	4-66	2 304	18,285	4.02	735	15	14,010	3.92	549	7-69	40	667	.06	33	45
23-46-0303	6238782	1320310	8-64	3 305	16,643	3.74	622	59	14,970	3.74	560	10-69	42	810	-.04	24	41
23-46-0303	6557951	1390131	10-65	2 299	18,080	3.47	627	65	14,555	3.71	540	9-69	38	667	.01	25	38
23-46-0303	6828370	1347940	1-67	1 305	18,280	3.28	599	72	15,090	3.68	555	10-69	36	816	-.04	23	40
23-46-0323	6576510	1320310	12-65	3 300	17,540	4.08	716	14	15,287	3.95	604	3-70	42	881	-.01	30	48
23-46-0323	6706030	1399824	7-66	1 305	18,350	4.61	846	17	14,850	3.98	591	12-69	36	663	.08	36	47
23-46-0323	6837237	1399824	10-66	2 305	19,340	4.08	789	21	15,725	3.92	616	11-69	40	757	.05	35	49
23-46-0323	7080380	1387978	1-68	1 305	19,420	3.73	724	14	15,850	3.97	630	3-70	35	703	-.02	22	37
23-46-0324	7046919	1347940	4-66	2 297	18,265	3.87	707	5	14,175	3.82	542	3-70	40	953	.01	36	55
23-46-0324	7046920	1347940	12-66	2 288	17,405	3.28	571	8	15,025	3.72	559	11-69	40	788	-.05	21	38
23-46-0333	5099833	1154946	4-60	4 300	19,938	3.55	707	18	13,145	3.82	502	4-69	44	1,004	-.05	28	49
23-46-0333	6611869	1261857	9-66	2 302	15,800	3.53	557	29	13,205	3.73	493	1-70	40	698	.04	31	44
23-46-0333	6810481	1347940	3-67	2 301	15,445	3.54	547	20	13,090	3.67	481	4-70	40	766	-.02	25	41
23-46-0333	6922103	1261857	8-67	1 305	18,380	3.80	698	32	14,250	3.71	528	1-70	36	780	.07	39	53
23-46-0346	6540450	1347940	3-66	3 301	22,803	3.37	769	17	16,690	3.83	640	2-70	42	1,252	-.07	34	61
23-46-0346	6689976	1347940	10-66	2 293	20,950	3.19	668	13	16,620	4.01	666	11-69	40	1,002	-.10	21	43
23-46-0346	6849286	1399824	2-67	1 305	21,220	3.28	696	16	14,650	3.77	545	6-69	36	904	-.03	28	47
23-46-0347	6597920	1347940	8-66	2 279	17,325	3.77	654	11	14,270	3.94	562	10-69	40	849	-.01	29	46
23-46-0347	6597922	1347940	8-66	2 305	18,455	3.64	672	11	14,315	3.97	569	10-69	40	960	-.03	30	50
23-46-0408	6756619	1347940	4-66	2 305	17,255	3.96	684	14	13,500	3.81	514	10-69	40	912	.02	36	54
23-46-0408	6813789	1347940	3-66	2 287	16,910	3.68	623	14	13,530	3.87	523	1-70	40	875	-.02	29	47
23-46-0410	6732660	1347940	10-66	2 292	16,640	3.47	577	20	13,360	3.88	519	12-69	40	863	-.04	25	43
23-46-0410	6732661	1347940	11-66	1 305	15,490	3.81	590	9	13,880	3.78	525	6-69	36	689	.00	25	39
23-46-0410	6804353	1347940	12-66	1 305	18,230	3.43	626	9	13,880	3.78	525	6-69	36	893	-.04	27	46
23-46-0410	6804354	1347940	12-66	1 305	15,970	3.65	583	9	13,880	3.78	525	6-69	36	725	-.01	24	39
23-46-0411	6733041	1347940	6-66	1 305	15,130	3.77	570	7	10,930	3.63	397	11-68	36	860	.01	32	49
23-46-0417	6590854	1347940	7-66	1 305	20,250	3.04	615	18	14,230	3.51	500	4-69	36	1,020	-.06	28	50
23-46-0417	6842612	1347940	7-67	1 305	17,360	3.66	635	17	13,450	3.54	476	2-70	36	857	.00	31	48
23-46-0417	6938082	1347940	9-67	1 305	17,480	3.49	610	21	13,130	3.56	467	12-69	36	888	-.01	30	48
23-46-0417	7106807	1347940	4-66	1 288	15,420	3.64	562	21	13,130	3.56	467	12-69	36	734	.00	27	41
23-46-0448	5567283	1163043	11-60	7 303	18,989	4.01	762	23	14,847	3.85	572	4-70	44	523	.13	37	44
23-46-0448	5675201	1326835	7-62	6 305	20,492	3.65	747	17	15,258	3.81	581	9-69	44	656	.00	24	37
23-46-0448	6553536	1347940	10-65	3 305	19,676	3.49	687	17	15,770	3.97	626	11-69	42	988	-.06	26	47
23-46-0448	6618540	1347940	7-65	3 305	19,620	3.81	747	14	15,573	4.01	624	2-70	42	1,002	-.02	33	53
23-46-0448	6762333	1347940	10-66	1 305	19,810	3.84	761	10	16,280	4.14	674	2-69	36	850	-.02	27	44
23-46-0448	6762334	1347940	10-66	2 305	18,235	3.99	727	12	16,255	4.02	653	1-70	40	760	.00	28	43
23-46-0448	6941056	1347940	9-67	1 305	18,930	3.92	742	14	15,800	3.96	625	11-69	36	817	.00	29	45
23-46-0448	7184182	1347940	12-66	1 305	19,970	3.90	779	16	16,150	3.91	632	9-69	36	871	.00	32	49
23-46-0449	6336570	010268045	3-62	3 301	22,253	3.37	751	9	16,063	3.93	632	2-69	33	1,042	-.14	17	41
23-46-0449	6912588	010275932	1-64	2 305	21,230	4.22	895	19	18,170	3.70	673	12-68	40	487	.09	31	38
23-46-0449	7029004	1469311	7-66	2 305	20,515	3.97	815	14	18,240	3.71	677	3-70	40	485	.08	29	37
23-46-0449	7029009	1347940	10-66	1 305	21,850	4.12	901	15	14,190	3.83	544	6-69	36	1,142	.04	47	69
23-46-0503	6968900	1320310	10-67	1 305	18,070	3.24	585	11	13,680	3.87	529	12-69	35	994	-.09	22	44
23-47-0025	6268181	1347940	11-64	4 305	18,500	3.48	644	8	14,500	3.80	551	10-69	44	1,007	-.04	30	51
23-47-0025	6268182	1347940	11-64	4 297	18,422	3.70	682	7	15,225	3.70	564	1-70	44	916	.00	33	51
23-47-0025	6721961	1347940	9-66	2 305	15,325	4.02	616	7	13,760	3.85	530	9-69	40	693	.02	28	41
23-47-0025	6721962	1347940	12-66	2 300	18,470	3.51	649	5	14,345	3.78	542	2-70	40	958	-.03	30	50
23-47-0025	6964622	1347940	8-67	1 305	20,150	3.57	719	7	14,240	3.85	548	9-69	36	1,012	-.02	33	54
23-47-0054	6656007	1347940	8-66	2 305	21,135	3.79	801	9	14,965	3.70	553	11-69	40	1,172	.01	44	67
23-47-0072	6871955	1458744	5-67	1 305	20,790	3.76	781	5	18,140	3.75	680	5-69	36	787	.00	28	44
23-47-0073	6913010	1347940	12-65	2 281	20,570	3.34	688	8	16,930	3.53	598	2-69	40	936	-.03	29	48
23-47-0073	6987172	1347940	3-67	2 295	21,070	3.28	692	10	17,845	3.59	641	2-70	40	903	-.05	25	44
23-47-0081	5654495	1189870	6-62	5 305	21,848	3.61	789	22	14,664	3.82	560	3-69	44	1,150	-.02	39	62
23-47-0081	6546118	1347940	10-65	2 305	17,125	3.84	657	27	14,080	3.86	543	6-69	40	846	.00	31	48
23-47-0081	6546121	1347940	11-65	2 305	17,525	3.56	624	24	14,815	3.85	570	1-69	40	820	-.03	25	42
23-47-0081	6546123	1347940	12-65	2 305	19,220	3.35	644	29	14,425	3.83	553	5-69	40	1,027	-.06	28	50
23-47-0081	6546124	1347940	12-65	2 305	18,610	3.40	632	27	14,960	3.86	578	2-69	40	917	-.05	25	45
23-47-0081	7049136	1347940	10-67	1 297	15,810	3.81	603	33	13,180	3.82	503	9-69	36	760	.00	27	42
23-47-0081	7302444	1347940	6-67	1 305	16,200	4.10	664	24	13,470	3.90	525	6-69	36	770	.02	30	45
23-47-0081	7410526	1471956	11-67	1 305	20,400	3.50	714	46	13,630	3.78	515	11-69	33	1,035	-.05	30	52
23-48-0004	6953576	1458744	11-67	1 305	17,430	3.76	655	32	14,500	3.96	574	11-69	36	781	-.02	25	41
23-48-0025	6721280	1347940	2-67	2 304	20,435	4.03	823	21	18,605	3.81	709	12-69	40	769	.03	32	47
23-48-0027	6676023	1469311	8-66	2 302	19,090	3.65	697	17	14,825	3.72							

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HEROMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST CALVO MO-YR	T C O	.....C O W MILK (LBS)	I N D E X..... FAT (%)	FAT (LBS)	DOL- LARS		
23-48-0038	6557549	1199324	7-64	3 305	15,510	3.91	606	46	13,356	3.67	490	4-69	42	705	.02	28	\$ 42
23-48-0038	6557551	1268294	9-64	3 303	18,950	3.56	675	52	13,410	3.77	505	2-69	42	878	-.05	24	43
23-48-0044	6761062	1347940	9-66	1 305	18,720	3.71	694	24	15,760	3.68	580	2-69	36	304	.00	29	45
23-48-0044	6838955	1347940	12-66	1 305	18,770	3.77	707	13	14,570	3.62	528	6-69	36	887	.01	33	50
23-48-0044	6838957	1347940	2-67	1 305	18,750	3.54	664	37	15,150	3.70	560	11-69	36	847	-.02	28	45
23-48-0044	6838958	1347940	3-67	1 305	17,720	3.69	654	10	15,560	3.57	556	4-69	36	743	.00	27	42
23-48-0044	7128505	1458744	5-67	1 305	23,410	3.56	833	46	15,190	3.71	563	12-69	36	1,180	-.02	39	63
23-48-0048	5858693	1189870	1-63	5 305	23,180	3.41	790	16	16,700	3.81	636	11-69	44	1,085	-.06	30	53
23-48-0048	6368965	1330987	3-65	3 305	22,233	4.08	907	18	18,180	3.73	678	12-69	42	828	.10	45	59
23-48-0048	6701421	1330987	4-66	2 305	20,485	4.70	963	15	17,335	3.78	655	6-69	40	678	.17	50	59
23-48-0048	6870293	1347940	1-67	1 305	20,180	3.72	751	10	17,350	3.90	677	6-69	36	806	-.01	27	43
23-48-0048	6870296	1458744	3-67	1 305	22,090	3.75	829	20	20,200	3.98	804	2-70	36	746	-.03	23	38
23-48-0048	6979940	1347940	5-67	1 305	19,190	3.57	685	10	17,350	3.90	677	6-69	36	732	-.03	22	37
23-48-0048	6979941	1347940	6-67	1 305	23,040	4.05	933	10	17,350	3.90	677	6-69	36	1,019	.02	40	60
23-48-0048	6979942	1458744	5-67	1 305	20,750	3.38	702	14	17,720	3.88	687	6-69	36	812	-.06	21	39
23-48-0048	6998136	1347940	12-67	1 305	25,450	3.21	818	22	19,140	3.87	741	11-69	36	1,079	-.08	27	50
23-48-0070	6820266	1347940	11-66	1 305	19,040	4.05	771	9	15,200	3.51	534	6-69	36	865	.05	38	54
23-48-0070	6820268	1347940	4-67	2 302	17,380	3.26	567	11	15,085	3.68	555	3-70	40	780	-.06	20	37
23-48-0074	6181597	1347940	8-64	4 305	21,045	3.73	786	13	15,112	3.86	583	11-69	44	1,253	-.01	44	69
23-48-0074	6181598	1329588	8-64	3 305	22,043	3.67	810	11	15,400	3.84	592	4-69	42	1,014	-.03	32	53
23-48-0079	6673049	1458744	8-66	2 298	17,970	3.75	674	26	14,615	3.93	574	12-69	H 40	872	-.02	29	47
23-48-0103	5248628	1261857	9-60	7 269	17,054	3.71	633	19	15,056	3.77	567	4-69	44	684	.05	32	44
23-48-0103	6531504	1347940	11-65	3 305	22,016	3.67	808	13	15,736	3.70	582	2-70	42	1,261	.00	45	70
23-48-0103	6746622	1347940	12-66	2 290	17,805	3.73	664	13	15,740	3.68	579	1-70	40	764	.00	28	43
23-48-0103	6786231	1347940	11-66	2 301	17,355	3.58	622	15	15,395	3.68	567	1-70	40	749	-.01	25	40
23-48-0103	6914396	1347940	9-67	1 305	20,060	3.78	758	15	14,600	3.78	552	9-69	36	981	.00	35	55
23-48-0103	6914398	1347940	10-67	1 305	16,690	3.77	630	13	14,950	3.73	557	10-69	36	707	.00	26	40
23-48-0104	7253119	1347940	4-67	1 305	15,810	3.73	589	14	12,330	3.87	477	9-69	36	817	-.01	28	44
23-48-0104	7253121	1347940	7-67	1 305	18,520	4.15	769	13	12,770	3.95	505	10-69	36	989	.02	39	58
23-48-0104	7253122	1347940	7-67	1 305	17,970	3.73	670	13	12,770	3.95	505	10-69	36	948	-.01	32	51
23-48-0107	5354603	1132993	2-61	6 305	17,347	4.18	725	14	14,328	3.68	527	1-69	44	485	.09	31	38
23-48-0120	5968546	1330987	7-63	3 296	16,127	3.63	585	14	12,963	3.85	499	10-68	42	665	.01	26	39
23-48-0120	6672337	1347940	10-66	2 298	18,980	3.66	694	15	14,445	3.70	534	12-69	40	1,001	-.01	35	55
23-48-0120	6957808	1347940	8-67	1 305	18,760	3.56	667	19	15,470	3.72	576	11-69	36	826	-.02	27	44
23-48-0120	6957811	1347940	11-67	1 305	18,940	3.51	665	10	15,660	3.60	564	2-70	36	827	-.01	28	45
23-48-0124	6676547	1347940	11-66	1 305	20,610	3.80	783	17	13,940	4.18	583	8-69	36	1,067	-.02	35	57
23-48-0124	7123682	1347940	1-67	1 305	18,130	3.97	720	16	13,670	4.19	573	7-69	36	900	-.01	31	49
23-48-0131	6131854	1199324	8-64	4 302	20,680	3.53	729	17	17,042	3.86	658	10-69	44	941	-.06	25	45
23-48-0131	6439081	1347940	8-65	3 301	19,550	3.70	723	18	16,996	3.88	659	11-69	42	847	-.02	27	44
23-48-0131	6439082	1390131	8-65	3 303	19,830	3.80	753	18	16,410	3.91	642	11-69	40	716	.03	30	43
23-48-0131	6721709	1390131	8-66	2 305	19,125	4.22	808	20	16,445	3.92	644	10-69	38	598	.09	34	44
23-48-6001	5394729	1344735	6-61	5 305	18,458	3.97	733	17	14,026	3.80	533	5-69	36	730	.05	33	46
23-48-6001	5463230	1189870	11-61	6 304	19,528	3.62	707	16	14,233	3.84	546	12-69	44	901	-.02	30	48
23-48-6001	6308496	1435014	8-64	3 305	20,653	3.28	678	27	13,590	3.85	523	8-69	32	1,100	-.09	26	50
23-48-6001	6336413	1435014	1-65	3 305	18,266	3.60	657	27	13,920	3.76	523	12-69	32	733	-.02	23	38
23-49-0011	5289556	1287089	11-60	7 305	21,897	3.45	755	11	15,790	3.70	584	6-69	44	813	-.02	27	44
23-49-0011	6223634	1347940	12-64	3 301	17,443	4.09	714	16	14,246	3.97	566	1-69	42	889	.03	36	53
23-49-0011	6430263	1347940	11-65	2 303	18,410	3.84	707	10	14,750	3.95	582	1-69	40	915	-.01	32	50
23-49-0011	6500948	1347940	2-66	2 296	16,105	4.15	669	11	14,260	3.93	561	12-68	40	726	.03	30	44
23-49-0011	6553108	1347940	11-65	3 305	17,110	3.96	678	20	14,213	3.86	548	10-69	42	854	.01	33	50
23-49-0011	6635770	1347940	5-66	2 302	16,760	3.64	610	22	14,335	3.85	552	9-69	40	786	-.02	25	41
23-49-0011	6727520	1347940	10-66	2 305	19,495	4.08	795	22	14,335	3.85	552	9-69	40	1,063	.04	44	64
23-49-0011	6871063	1347940	4-67	1 294	16,970	3.62	614	18	14,720	3.84	565	7-69	36	743	-.02	24	39
23-49-0011	6967665	1347940	9-67	1 305	21,480	3.60	774	15	15,450	3.96	612	11-69	36	1,030	-.03	33	54
23-49-0011	6967666	1347940	9-67	1 286	17,330	3.98	690	15	15,450	3.96	612	11-69	36	721	.00	26	40
23-49-0029	7042945	1347940	11-67	2 305	16,740	4.06	680	32	13,320	3.71	494	11-69	36	820	.03	34	49
23-49-0066	6520211	1347940	12-65	2 305	19,060	3.25	620	5	14,990	3.52	528	9-69	40	960	-.04	28	48
23-49-0066	6966524	1458744	8-67	1 305	19,300	3.45	665	10	15,130	3.75	567	11-69	36	878	-.03	27	45
23-49-0111	7052496	1347940	4-68	1 305	17,710	3.44	609	5	13,740	3.67	504	3-70	36	864	-.02	28	46
23-49-0117	6875917	1347940	4-67	1 305	16,410	3.52	577	13	12,140	3.60	437	10-69	36	874	-.01	30	48
23-50-0004	5371366	1347940	5-61	6 303	19,510	3.63	708	20	15,615	3.57	557	9-68	44	1,023	.01	38	58
23-50-0004	5449366	1347940	11-61	5 305	21,272	3.24	689	17	15,838	3.56	564	10-69	44	1,224	-.07	34	60
23-50-0004	5685189	1347940	10-62	5 305	18,014	3.65	657	18	16,336	3.52	575	4-70	44	746	.01	29	43
23-50-0004	5810820	1347940	4-63	4 302	18,292	3.47	635	18	16,372	3.50	573	3-69	44	773	-.01	26	42
23-50-0004	5920193	1347940	12-63	4 305	17,392	3.50	608	16	15,707	3.60	566	11-69	44	736	-.02	24	39
23-50-0004	6414069	1347940	11-65	3 305	20,146	3.17	639	18	17,130	3.46	592	3-70	42	901	-.06	24	43
23-50-0004	6562565	1347940	1-66	2 305	19,565	3.33	652	12	15,460	3.67	568	7-69	40	968	-.05	28	48
23-50-0004	6562566	1347940	3-66	2 305	19,925	3.56	710	23	16,830	3.52	593	1-70	40	879	.00	32	49
23-50-0004	6562567	1347940	4-66	2 301	20,405	3.63	740	16	15,740	3.63	572	10-69	40	1,028	.00	37	57
23-50-0004	6582886	1347940	6-66	2 305	18,510	3.52	651	16	15,540	3.							

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS		
23-50-0006	6957688	1471956	10-67	1 305	20,200	3.58	724	26	17,160	3.64	625	12-69	33	768	-.03	23	\$ 39
23-50-0008	6266382	1347940	11-64	4 301	22,397	3.74	838	22	17,762	3.88	690	12-69	44	1,125	-.02	38	61
23-50-0008	6266385	1296729	2-65	3 305	23,357	3.63	848	19	18,173	3.87	704	5-69	42	877	-.09	19	39
23-50-0008	6414946	1347940	11-65	3 305	19,930	3.89	775	23	17,086	3.94	674	11-69	42	881	-.01	31	49
23-50-0008	6661997	1347940	6-66	2 305	19,505	3.74	729	20	17,375	3.95	687	7-69	40	787	-.02	25	41
23-50-0008	6670540	1469311	3-66	2 305	20,925	3.79	793	24	17,510	3.91	684	9-69	40	593	.03	26	37
23-50-0008	6670543	1347940	9-66	2 305	20,535	3.77	774	16	17,015	3.88	661	3-70	40	924	-.01	32	51
23-50-0008	6964722	1347940	8-67	1 305	22,250	3.32	738	26	17,410	4.04	704	8-69	36	956	-.07	24	45
23-50-0011	6253870	1199324	10-64	3 305	21,556	3.47	747	8	17,323	3.63	629	2-70	42	990	-.04	30	51
23-50-0014	6466013	1347940	10-65	3 304	20,923	3.84	803	20	16,850	3.62	610	12-69	42	1,020	.03	41	60
23-50-0014	6678727	1347940	9-66	2 305	22,010	3.38	745	22	17,255	3.61	623	11-69	40	1,052	-.04	32	54
23-50-0014	6866752	1347940	4-67	1 305	19,330	3.94	761	19	16,390	3.63	595	7-69	36	807	.03	33	48
23-50-0016	6915653	1347940	6-66	1 305	22,000	3.22	708	8	15,440	3.56	549	2-69	36	1,070	-.04	32	54
23-50-0016	7005014	1347940	4-66	2 305	18,535	3.36	622	7	14,430	3.64	525	7-69	40	957	-.04	29	49
23-50-0016	7034794	1347940	11-66	1 305	20,050	3.07	616	8	13,740	3.62	498	9-69	36	1,038	-.06	29	51
23-50-0016	7034797	1347940	5-67	1 305	20,190	2.78	561	8	14,690	3.51	515	1-70	36	985	-.08	23	45
23-50-0022	5848930	1189870	1-62	4 305	17,268	4.00	691	25	14,193	3.66	519	11-69	44	600	.06	30	40
23-50-0027	6254847	1347940	3-65	3 305	17,560	3.70	650	21	15,016	3.70	556	1-70	42	823	.00	29	45
23-50-0027	6673872	1347940	11-66	1 305	17,890	3.93	703	16	14,290	3.59	513	10-69	36	841	.02	34	50
23-50-0027	6951027	1347940	8-67	1 305	16,480	3.61	595	19	14,940	3.51	525	7-69	36	692	.00	25	39
23-50-0034	4947881	1189870	8-59	8 305	20,454	3.40	696	14	16,391	3.58	586	1-70	44	769	-.03	24	40
23-50-0034	5407576	1189870	8-61	5 305	20,290	3.35	680	18	15,772	3.59	567	12-68	44	820	-.04	24	41
23-50-0034	6158075	1189870	2-64	4 305	20,613	3.55	731	12	16,825	3.64	612	11-69	44	720	-.01	25	39
23-50-0043	5715931	1347940	12-62	5 299	19,530	3.33	651	18	15,170	3.56	540	1-69	44	1,077	-.05	32	55
23-50-0043	6207328	1347940	12-64	3 304	17,490	3.75	656	10	14,183	3.62	514	5-69	42	901	.01	34	52
23-50-0043	6413147	1347940	8-65	3 302	17,283	3.66	633	20	14,903	3.57	532	10-69	42	802	.01	30	46
23-50-0043	6608616	1347940	8-66	2 305	17,980	3.81	685	21	15,120	3.49	527	9-69	40	838	.03	35	51
23-50-0043	6955842	1347940	1-68	1 281	21,000	3.12	656	24	17,230	3.60	621	12-69	36	875	-.06	23	42
23-50-0043	6955843	1347940	1-68	1 305	20,660	3.33	689	24	17,230	3.60	621	12-69	36	850	-.03	26	44
23-50-0044	6859301	1347940	6-67	1 305	21,500	3.79	814	24	16,690	3.57	595	10-69	36	949	.02	37	55
23-50-0050	5662501	1347940	6-62	5 305	18,692	3.49	653	12	14,362	3.68	528	6-69	44	1,063	-.03	34	56
23-50-0050	5795860	1215144	3-63	3 305	19,080	3.98	760	20	14,437	3.81	550	1-69	42	585	.03	26	37
23-50-0050	6274685	1347940	2-65	3 295	19,366	3.29	637	18	14,733	3.88	572	11-69	42	1,060	-.08	26	49
23-50-0050	6778417	1347940	1-67	1 305	19,310	3.62	699	9	14,260	3.72	530	8-69	36	948	-.01	33	52
23-50-0053	6204402	1347940	8-64	4 299	18,020	3.69	665	25	14,867	3.81	567	7-69	44	907	-.01	31	49
23-50-0053	6521405	1347940	2-66	2 291	18,325	3.31	606	27	15,385	3.76	579	7-69	40	849	-.06	22	40
23-50-0053	6547624	1347940	11-65	2 305	17,985	3.60	648	19	15,445	3.81	589	6-69	40	809	-.02	26	43
23-50-0053	6598494	1347940	3-66	2 303	17,785	3.73	664	30	15,875	3.80	603	10-69	40	749	-.01	26	41
23-50-0053	6598495	1347940	4-66	2 300	19,135	3.63	695	32	15,725	3.78	594	9-69	40	900	-.02	30	48
23-50-0053	6913735	1347940	6-67	1 305	25,490	3.19	814	23	15,210	3.73	568	6-69	36	1,345	-.06	39	67
23-50-0056	5867112	1347940	3-63	5 305	16,872	3.62	611	11	14,422	3.67	529	2-70	44	821	-.01	28	45
23-50-0062	6727297	1261857	1-67	1 305	19,100	4.02	768	16	17,060	3.74	638	2-70	36	645	.09	37	47
23-50-0070	5965945	975138	8-63	3 305	20,857	3.57	744	11	15,877	3.75	596	2-69	42	824	-.06	21	39
23-50-0070	6355747	1347940	3-65	3 303	19,566	3.63	710	12	14,520	3.72	540	7-69	42	1,105	-.01	38	60
23-50-0070	6524277	1347940	8-65	3 288	17,653	3.59	634	17	15,150	3.75	568	7-69	42	820	-.02	26	43
23-50-0070	6792459	1347940	11-66	1 305	20,870	3.68	769	18	17,870	3.68	657	11-68	36	823	.00	29	45
23-50-0074	6052097	1347940	2-64	5 273	16,162	3.52	569	9	14,498	3.68	533	3-70	44	721	-.03	22	37
23-50-0074	6614907	1347940	7-66	2 305	15,380	3.69	568	9	13,760	3.73	513	12-69	40	698	-.01	24	38
23-50-0078	5439046	1347940	11-61	5 305	17,396	3.46	602	8	14,784	3.58	529	12-68	44	847	-.02	27	44
23-50-0078	5489934	1347940	11-61	6 296	19,285	3.16	610	7	15,580	3.66	570	3-69	44	998	-.09	23	45
23-50-0078	6458675	1447125	11-65	2 305	21,080	3.50	737	12	15,475	3.68	570	11-68	36	737	-.04	21	37
23-50-0078	7021011	1347940	5-67	1 305	15,650	3.46	541	7	12,990	3.60	468	6-69	36	761	-.02	25	40
23-50-0081	5237802	1347940	1-61	6 300	17,343	3.45	598	9	13,983	3.65	511	2-69	44	933	-.03	29	48
23-50-0081	5657482	1347940	9-62	5 305	18,260	3.81	696	10	15,490	3.72	577	7-69	44	876	.02	34	51
23-50-0081	6012174	1347940	6-63	5 281	17,790	3.38	602	9	14,046	3.71	521	3-69	44	983	-.05	28	49
23-50-0081	6146919	1347940	10-64	3 294	20,816	3.55	738	17	15,616	3.86	603	1-70	42	1,135	-.05	34	58
23-50-0081	6306544	1347940	12-64	3 305	18,533	3.50	649	9	14,636	3.63	531	7-69	42	974	-.02	32	52
23-50-0081	6579491	1347940	2-66	3 281	17,570	3.66	643	12	14,293	3.85	550	1-70	42	899	-.02	29	47
23-50-0082	6475329	1347940	12-64	4 287	20,142	3.18	641	13	17,130	3.47	595	11-69	44	917	-.05	25	45
23-50-0082	6677604	1347940	8-66	2 295	18,070	3.21	580	7	16,105	3.38	544	3-70	40	757	-.03	23	39
23-50-0082	6677605	1347940	9-66	2 301	17,780	3.23	574	14	16,250	3.26	529	9-69	40	714	-.01	24	38
23-50-0082	6992125	1347940	9-67	1 305	17,420	3.52	614	15	15,640	3.45	540	8-69	36	715	.00	26	40
23-50-0086	6314535	1347940	2-65	3 305	20,390	3.59	733	6	15,683	3.71	582	11-69	42	1,079	-.02	36	58
23-50-0089	6951023	1471956	11-67	1 305	22,690	3.35	759	24	16,540	3.75	621	10-69	33	1,009	-.07	26	48
23-50-0089	6951024	1471956	12-67	1 286	21,630	3.09	668	24	16,540	3.75	621	10-69	33	925	-.10	18	39
23-50-0090	6813769	1347940	6-66	2 302	16,280	3.65	595	8	12,590	3.70	466	11-69	40	897	.00	32	50
23-50-0093	6698258	1347940	11-66	2 299	19,085	3.23	617	8	15,585	3.75	585	3-70	40	908	-.07	23	43
23-50-0099	6421813	1320310	9-65	3 276	17,047	3.14	536	14	14,473	3.56	515	7-69	42	909	-.10	18	39
23-50-0103	6332414	1441440	4-65	3 302	17,580	3.81	669	12	13,570	3.74	507	9-69	42	851	.03	35	51
23-50-0103	6953635	1309574	10-67	1 305	22,110	3.18	703	10	13,770	3.75	517	12-69					

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	.....C O W MILK (LB)	I N D FAT (%)	E X FAT (LB)	..... OOL- LARS
23-53-0002	6505844	1347940	9-65	3 302	15,820	3.77	596	38 14,190	3.79	538	8-69	42	708	.00	25	\$ 39
23-53-0002	6505845	1347940	10-65	3 296	17,196	3.55	611	40 14,113	3.79	535	10-69	42	874	-.03	27	45
23-53-0002	6704852	1347940	10-66	2 291	18,485	3.69	683	41 14,265	3.75	535	9-69	40	967	-.01	34	53
23-53-0004	6423675	1347940	8-65	3 305	17,446	3.89	679	16 15,463	3.91	604	12-69	42	763	.00	28	43
23-53-0004	6423679	1347940	10-65	3 298	18,083	3.77	682	14 15,746	3.85	606	12-69	42	807	-.01	28	44
23-53-0004	6722959	1347940	10-66	2 305	18,700	3.75	702	13 15,645	3.92	613	10-69	40	863	-.01	29	46
23-53-0004	6722960	1347940	12-66	2 303	18,185	4.05	737	12 15,990	3.82	611	12-69	40	779	.03	33	48
23-53-0004	6722961	1347940	1-67	2 305	18,555	3.77	700	13 15,735	3.89	612	10-69	40	840	-.01	29	46
23-53-0004	6791893	1347940	3-67	1 305	19,560	3.74	732	12 16,260	4.01	652	9-69	36	833	-.02	27	44
23-53-0005	6849589	1347940	5-67	1 305	19,870	3.93	780	18 14,880	3.70	550	12-69	36	949	.02	37	55
23-53-0006	6392677	1347940	11-65	3 302	18,846	3.79	715	12 13,933	3.85	536	1-70	42	1,083	.00	39	60
23-53-0006	6531020	1347940	4-66	3 282	17,303	3.69	639	9 14,633	3.74	548	2-70	42	833	-.01	29	46
23-53-0006	7016181	1347940	3-68	1 305	17,430	4.02	700	9 13,290	3.63	483	2-70	36	873	.03	36	53
23-53-0008	6766088	1347940	11-66	2 281	19,840	3.57	708	16 13,335	3.76	502	11-69	40	1,190	-.02	40	64
23-53-0008	7164568	1347940	4-67	1 305	18,070	3.40	615	20 13,620	3.63	494	9-69	36	899	-.02	29	47
23-53-0013	5519662	1347940	9-61	4 303	19,735	3.59	708	26 16,125	3.71	598	12-68	44	979	-.02	33	53
23-53-0013	6837743	1347940	1-67	1 305	21,270	3.57	760	15 15,970	3.73	595	11-68	36	980	-.02	33	53
23-53-0013	6837745	1347940	4-67	1 305	19,540	3.05	596	5 14,390	3.58	515	3-69	36	957	-.06	26	46
23-53-0013	6837746	1347940	4-67	1 305	17,700	4.05	717	5 14,390	3.58	515	3-69	36	820	.04	35	50
23-53-0013	7062041	1347940	1-67	2 305	19,460	3.81	742	15 14,410	3.81	549	9-69	40	1,053	.01	39	60
23-53-0014	6810070	1347940	12-66	2 305	21,590	3.82	825	14 15,645	3.80	595	12-69	40	1,156	.01	43	66
23-53-0014	7040023	1471956	11-67	1 305	20,150	3.58	722	18 16,430	3.82	628	12-69	33	816	-.05	22	39
23-53-0014	7065445	1347940	10-67	1 305	19,620	3.45	677	5 15,860	3.90	618	10-69	36	864	-.04	25	43
23-53-0015	6282441	1271019	11-64	4 298	20,265	3.75	760	24 15,462	3.69	571	11-69	44	712	.00	26	40
23-53-0015	6564397	1347940	7-65	3 301	18,356	3.63	666	24 15,863	3.66	581	11-69	42	827	-.01	28	45
23-53-0015	6564398	1347940	8-65	3 299	19,580	3.24	635	22 15,073	3.68	555	8-69	42	1,049	-.07	28	50
23-53-0015	6589415	1347940	6-66	2 305	20,595	3.64	749	20 14,995	3.75	562	8-69	40	1,115	-.01	38	60
23-53-0019	6683107	1347940	9-66	1 283	16,800	3.72	625	17 14,780	3.89	575	11-68	36	726	-.01	24	39
23-53-0021	6813775	1347940	1-66	2 292	16,610	3.80	631	16 14,230	3.77	537	10-69	40	780	.01	29	44
23-53-0021	7013003	1347940	9-67	1 305	18,050	3.47	627	14 15,050	3.69	555	9-69	36	802	-.03	25	42
23-53-0023	5369387	1158050	4-61	7 304	20,063	4.02	806	30 15,271	3.95	603	11-69	44	765	.01	29	44
23-53-0023	6668583	1347940	9-66	2 305	21,340	3.59	766	29 15,655	4.08	638	9-69	40	1,130	-.05	33	57
23-53-0024	6960674	1347940	9-67	1 305	18,120	3.71	672	18 15,430	3.88	599	9-69	36	781	-.01	26	42
23-53-0029	6785224	1347940	11-66	2 305	20,295	4.07	827	17 15,975	3.84	614	3-70	40	995	.03	41	60
23-53-0029	6894469	1347940	1-67	2 305	25,955	3.96	1027	18 16,615	4.13	687	2-70	40	1,511	.00	55	85
23-53-0032	6695364	1330987	5-66	2 305	19,495	3.61	703	10 14,895	3.81	568	3-70	40	800	.02	32	47
23-53-0048	6704533	1347940	8-65	2 305	16,635	3.99	663	13 14,730	3.84	566	10-68	40	737	.02	29	43
23-53-0048	6769844	1347940	11-66	2 305	18,135	3.50	635	14 16,175	3.66	592	12-69	40	757	-.02	24	40
23-53-0048	6769845	1347940	3-67	1 305	21,970	3.32	729	5 17,470	3.67	641	9-69	36	931	-.04	27	47
23-53-0048	6798897	1347940	7-66	1 305	23,870	3.39	810	15 16,250	3.62	588	2-70	36	1,155	-.03	37	61
23-53-0057	6482189	1347940	8-65	2 305	19,350	3.82	740	17 15,070	3.88	585	3-69	40	982	.00	35	55
23-53-0057	6623719	1347940	4-66	2 305	20,245	3.39	686	21 15,335	3.76	577	11-69	40	1,048	-.05	31	53
23-53-0057	6868345	1347940	5-67	1 305	19,940	3.84	766	18 15,800	3.80	601	8-69	36	892	.01	33	51
23-53-0065	6447104	1347940	10-65	3 290	17,700	3.76	666	32 15,416	3.83	590	9-69	42	797	-.01	28	44
23-53-0065	6695766	1347940	9-66	2 304	16,835	3.73	628	35 15,315	3.78	579	10-69	40	704	.00	25	39
23-53-0065	6695768	1347940	10-66	2 295	17,605	3.75	661	35 15,315	3.78	579	10-69	40	782	.00	28	44
23-53-0078	6370655	1347940	9-65	3 305	20,300	3.38	686	17 15,440	3.65	564	1-70	42	1,094	-.05	32	55
23-53-0078	6397136	1347940	9-65	3 305	18,210	3.69	672	16 15,590	3.62	564	2-70	42	838	.01	31	47
23-53-0078	6424399	1347940	12-65	2 305	19,515	3.56	695	18 14,910	3.79	565	9-69	40	1,013	-.02	33	54
23-53-0078	6664402	1347940	12-66	1 305	16,780	3.40	570	11 13,770	3.73	513	6-69	36	793	-.03	24	40
23-53-0080	6934958	1347940	10-67	1 305	17,960	3.66	657	15 16,040	3.73	598	1-70	36	728	-.01	25	40
23-53-0082	6965580	1458744	9-67	1 305	15,880	4.18	664	7 14,090	3.70	522	8-69	36	693	.03	29	42
23-53-0086	6292653	1347940	4-65	2 296	19,070	3.64	694	9 14,920	3.87	577	9-69	40	967	-.03	31	51
23-53-0086	6329381	1347940	5-65	3 241	18,326	3.80	696	7 14,780	3.84	567	1-70	42	935	.00	33	52
23-53-0086	6599587	1347940	6-66	1 301	19,900	3.53	703	10 15,530	3.93	610	12-69	36	907	-.04	27	46
23-53-0086	6639742	1347940	8-66	2 305	18,500	4.18	774	9 13,945	3.99	556	8-69	40	998	.03	41	60
23-53-0086	7022461	1347940	11-67	1 275	18,510	3.58	662	10 15,530	3.93	610	12-69	36	804	-.03	24	41
23-53-0088	6697569	1347940	8-66	1 305	17,430	3.52	614	11 14,910	3.71	553	9-69	36	765	-.02	25	41
23-53-0102	6700911	1347940	12-66	1 305	16,000	3.93	628	12 12,710	3.92	498	3-70	36	806	.00	29	45
23-53-0102	6805685	1347940	1-67	1 305	15,950	3.23	515	13 12,780	3.70	473	7-69	36	797	-.04	23	40
23-53-0104	6527976	1347940	8-65	2 289	17,710	4.03	713	19 15,970	3.81	608	11-68	40	733	.03	31	45
23-53-0110	6488164	1347940	10-65	1 305	16,510	4.26	704	9 12,350	3.85	476	9-68	36	868	.04	37	53
23-53-0110	7004351	1330987	10-67	1 305	16,710	4.28	716	14 14,130	3.89	549	12-69	36	538	.08	31	40
23-53-0113	6472059	1347940	11-65	2 304	16,770	3.88	650	10 14,440	3.84	554	10-68	40	777	.01	29	44
23-53-0121	6824576	1347940	1-67	1 305	17,360	3.74	650	13 12,700	3.83	486	12-69	36	908	-.01	32	50
23-53-0122	6795962	1347940	1-67	1 305	18,690	3.01	563	20 14,520	3.67	533	10-69	36	885	-.07	22	41
23-53-0123	6621350	1347940	4-66	1 305	19,520	3.73	729	14 15,470	3.76	581	10-68	36	883	-.01	31	49
23-53-0129	6814865	1347940	6-67	1 305	20,420	3.68	751	12 16,420	3.80	624	8-69	36	886	-.01	30	48
23-53-7048	6844090	1469311	3-67	1 305	18,190	4.19	763	17 15,330	3.65	560	1-70	35	449	.10	30	37
23-53-7048	6930444	1215144	7-67	1 305	25,370	3.37	856	12 14,950	3.77	564	10-69	35	837	-.04	24	42
23-54-0016	5825441	1390485	3-63	3 305	19,827	3.36	667	27 14,173	3.77	534	9-68	31	931	-.07	23	43
23-54-0016	6312226	1347940	1-65													

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVD C REPT MO-YR D	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	OODLARS			
23-54-0021	6137530	1360676	12-62	3 305	17,883	3.74	668	22	15,260	3.91	597	9-68	41	751	-.01	26	\$ 41
23-54-0021	6191998	1261857	2-63	4 305	19,828	3.81	756	15	16,200	3.81	617	11-69	44	893	.07	42	58
23-54-0021	6229579	1261857	9-64	3 300	17,983	4.04	727	19	14,727	3.78	557	11-69	42	810	.10	44	58
23-54-0021	6229582	1360676	11-64	3 305	19,970	3.92	782	26	14,890	3.83	571	10-69	41	1,037	.03	42	62
23-54-0021	6415492	1261857	7-65	2 305	17,385	3.91	679	18	14,775	3.80	561	1-70	40	715	.08	37	49
23-54-0021	6415493	1261857	9-65	2 305	16,305	3.45	562	22	14,570	3.80	553	9-69	40	624	.02	26	38
23-54-0029	5501992	1347940	9-61	6 301	17,171	3.44	590	19	14,205	3.63	516	8-69	44	885	-.03	27	45
23-54-0029	5943828	1347940	8-63	5 299	17,146	3.62	620	20	14,526	3.62	526	10-69	44	844	.00	30	47
23-54-0029	6373934	1347940	4-65	2 305	16,050	3.38	542	16	13,880	3.79	526	1-69	40	755	-.04	21	37
23-54-0029	6462666	1347940	9-65	2 305	18,500	3.44	636	16	13,650	3.71	507	6-69	40	1,025	-.03	32	53
23-54-0029	6636921	1347940	8-66	2 286	16,125	3.37	544	22	13,555	3.67	498	7-69	40	793	-.04	23	40
23-54-0029	6994619	1347940	1-68	1 305	19,390	3.12	605	13	14,950	3.63	542	2-70	36	908	-.05	25	44
23-54-0039	6862321	1347940	9-65	2 305	17,960	3.64	653	10	15,930	3.78	602	11-68	40	762	-.02	25	41
23-54-0046	5759207	1384112	9-62	6 302	20,206	3.39	685	12	15,718	3.72	584	2-70	36	962	-.06	26	47
23-54-0046	5910681	1384112	10-63	5 305	22,458	3.48	782	10	16,020	3.70	593	11-69	36	1,256	-.03	40	66
23-54-0046	6029835	1384112	10-63	4 298	18,675	3.59	670	12	15,980	3.67	587	12-68	35	691	-.01	23	37
23-54-0046	6085716	1384112	1-64	5 302	18,502	3.75	694	13	16,168	3.65	590	1-70	36	648	.02	27	39
23-54-0046	6306521	1384112	1-65	4 304	19,675	3.26	641	12	16,160	3.63	587	2-70	35	810	-.07	19	37
23-54-0046	6306524	1347940	5-65	1 304	19,250	3.43	660	12	17,130	3.51	601	3-70	36	751	-.01	25	40
23-54-0046	6644837	1347940	9-66	2 305	19,045	3.64	693	16	17,110	3.76	644	10-69	40	764	-.02	25	41
23-54-0065	6749110	1347940	12-66	1 305	15,870	3.28	520	11	13,060	3.64	475	6-69	36	773	-.03	23	39
23-54-0065	6749111	1347940	12-66	1 305	15,920	3.81	606	11	13,060	3.64	475	6-69	36	776	.01	29	44
23-54-0065	6901827	1347940	4-67	1 305	17,910	3.27	585	22	13,650	3.59	490	8-69	36	885	-.03	27	45
23-54-0081	6752900	1347940	1-67	1 305	17,660	3.65	644	12	13,560	3.82	518	4-69	36	872	-.02	29	47
23-54-0096	6549318	1347940	3-66	3 300	20,903	3.87	808	12	18,050	3.55	640	3-70	42	893	.05	39	56
23-54-0096	6824694	1347940	4-67	1 305	23,420	3.69	864	17	17,010	3.52	599	6-69	36	1,070	.01	40	61
23-54-0098	6396002	1347940	6-65	2 305	20,830	3.11	647	10	15,515	3.64	565	2-69	40	1,091	-.08	28	52
23-54-0098	6738331	1347940	11-66	1 305	18,400	2.90	533	9	13,520	3.48	471	6-69	36	930	-.06	24	44
23-55-0001	6353851	1347940	7-64	4 304	16,835	3.63	611	15	15,185	3.64	552	1-70	44	725	.00	26	40
23-55-0001	6704568	1347940	9-65	1 305	17,890	3.44	616	16	16,270	3.56	580	11-68	36	708	-.02	23	37
23-55-0001	6779391	1469311	8-66	2 305	21,480	3.53	759	14	15,345	3.53	541	10-69	40	849	.03	35	51
23-55-0001	6970706	1347940	1-67	2 305	19,555	3.39	662	20	15,710	3.58	562	1-70	40	944	-.03	30	49
23-55-0001	6970707	1347940	1-67	1 305	17,770	3.13	556	14	15,260	3.49	532	7-69	36	767	-.04	22	38
23-55-0003	6486128	1441440	9-65	3 302	16,330	3.64	594	44	13,326	3.60	480	11-69	42	731	.02	29	43
23-55-0003	6688851	1441440	12-65	3 305	16,206	3.78	613	32	14,426	3.56	513	3-70	42	601	.04	28	39
23-55-0003	6734224	1347940	8-66	2 305	16,740	3.34	559	44	13,190	3.63	479	12-69	40	888	-.03	27	45
23-55-0003	6833051	1347940	6-67	1 305	17,250	3.11	536	45	12,430	3.60	447	11-69	36	918	-.05	26	45
23-55-0004	6428750	1347940	8-65	2 296	15,160	3.71	562	18	12,485	3.60	449	3-69	40	792	.01	30	45
23-55-0004	6853458	1347940	9-65	2 292	15,685	3.44	539	19	12,670	3.62	459	1-69	40	829	-.03	26	43
23-55-0004	6853464	1347940	1-67	1 305	17,560	3.72	654	14	11,660	3.52	411	6-69	36	992	.01	37	56
23-55-0004	6853466	1347940	1-67	1 305	15,750	3.87	610	14	11,320	3.59	406	8-69	36	880	.02	34	51
23-55-0004	7403620	1347940	10-67	1 305	20,210	3.70	748	7	14,970	3.45	516	3-70	36	968	.01	37	56
23-55-0031	4948683	1189870	10-59	8 303	18,221	4.22	769	22	15,455	3.78	584	11-68	44	590	.08	33	43
23-55-0031	6676026	1347940	12-66	2 305	19,875	3.23	641	21	13,565	3.79	514	12-69	40	1,172	-.07	32	57
23-55-0031	6907541	1347940	10-67	1 305	16,060	3.56	572	20	12,380	3.68	456	12-69	36	832	-.01	28	45
23-55-0031	6907542	1347940	10-67	1 305	20,960	3.36	704	20	12,380	3.68	456	12-69	36	1,197	-.03	38	63
23-55-0031	6935389	1347940	7-67	1 305	17,960	3.36	604	13	13,380	3.77	504	8-69	36	907	-.04	27	46
23-55-0031	6998229	1347940	1-68	1 301	16,960	3.22	546	18	12,840	3.62	465	1-70	36	868	-.04	25	43
23-55-0031	7024649	1347940	12-67	1 305	16,970	3.59	609	21	13,300	3.73	496	9-69	36	838	-.02	28	45
23-55-0032	5696643	1347940	11-62	5 302	16,806	3.64	611	12	14,780	3.77	557	7-69	44	771	-.02	25	41
23-55-0032	5956365	1347940	12-63	4 298	17,125	3.82	654	9	15,222	3.80	579	11-69	44	757	.00	28	43
23-55-0032	6693935	1347940	12-66	1 305	17,730	4.17	740	8	15,760	3.76	593	1-69	36	730	.03	31	45
23-55-0032	6841422	1347940	6-67	1 305	17,890	4.02	719	10	15,010	4.01	602	6-69	36	792	.00	29	45
23-55-0032	6974269	1347940	9-67	1 305	21,510	3.91	842	7	16,410	4.02	660	8-69	36	968	.00	35	54
23-55-0032	6974270	1347940	12-67	1 305	21,210	3.47	737	8	16,440	3.80	625	1-70	36	944	-.03	29	49
23-55-0035	6241749	1347940	10-64	4 303	17,685	3.75	664	12	15,332	3.79	581	1-70	44	814	.00	29	45
23-55-0035	6241750	1347940	11-64	3 305	18,876	3.65	689	11	15,000	3.81	572	2-69	42	976	-.02	32	52
23-55-0035	6496620	1347940	10-65	3 305	18,353	3.70	679	11	15,323	3.77	577	12-69	42	882	-.01	30	48
23-55-0035	6496621	1347940	1-66	2 305	17,535	3.87	679	10	15,395	3.79	583	2-69	40	768	.01	29	44
23-55-0035	6951289	1347940	1-68	1 305	18,550	3.80	704	11	16,200	3.77	610	3-70	36	762	.00	28	43
23-55-0044	6915184	1347940	10-67	1 305	18,510	3.59	664	8	15,740	3.87	609	10-69	36	790	-.02	25	41
23-55-0047	5939813	1347940	10-63	4 296	17,872	3.86	690	22	15,530	3.65	567	4-69	44	815	.03	34	49
23-55-0047	6388330	1347940	8-65	3 299	19,796	3.25	644	24	17,430	3.68	642	1-70	42	830	-.07	20	38
23-55-0047	6508415	1287089	11-65	2 305	22,770	3.58	816	34	17,015	3.59	610	12-68	40	617	.03	27	38
23-55-0047	6820203	1347940	6-67	1 305	20,140	3.23	651	22	15,710	3.75	589	7-69	36	913	-.05	25	44
23-55-0047	6820204	1347940	6-67	1 305	21,800	3.68	803	33	18,180	3.76	684	11-69	36	871	-.01	30	48
23-55-0047	6919750	1471956	10-67	1 305	22,390	3.82	856	41	18,600	3.72	692	12-69	33	838	-.02	28	45
23-55-0047	6985833	1347940	12-67	1 305	24,200	3.45	836	23	18,260	3.79	692	2-70	36	1,044	-.04	32	54
23-55-0055	5850071	1347940	5-63	5 305	16,632	3.33	554	7	13,452	3.57	480	2-70	44	903	-.04	27	46
23-55-0056	6554269	1347940	2-65	3 303	15,360	3.37	517	16	12,913	3.40	439	5-69	42	7			

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C REPT D (%)	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	OOL- LARS
23-55-0105	5658178	1347940	8-62	4 305	18,130	3.15	571	12 14,090	3.67	517	10-69	44	1,007	-.08	25	\$ 47
23-55-0105	7000025	1347940	7-67	1 282	16,240	3.57	580	14 14,500	3.72	539	12-69	36	704	-.02	23	37
23-55-0105	7000026	1347940	7-67	1 305	22,710	3.28	744	6 15,110	3.65	552	4-70	36	1,145	-.05	34	58
23-55-0107	5892807	1237057	9-63	4 305	21,325	3.57	761	13 16,438	3.65	600	6-69	44	914	-.05	26	45
23-55-0108	6559687	1347940	3-66	2 297	19,115	3.46	662	8 16,130	3.74	603	11-69	40	861	-.03	26	44
23-55-0110	6099916	1347940	12-63	4 254	16,432	3.53	580	5 13,020	3.64	474	7-69	44	916	-.02	30	49
23-55-0110	6629095	1347940	9-66	1 305	19,970	3.34	667	6 14,400	3.67	528	11-69	36	988	-.04	30	51
23-55-0112	6934532	1347940	1-67	2 305	21,425	3.37	723	13 14,205	3.49	496	1-70	40	1,271	-.03	42	68
23-55-0115	6561208	1347940	6-66	1 305	19,630	3.46	680	5 14,830	3.78	560	1-70	36	934	-.03	29	48
23-56-0005	6039573	1426352	9-63	4 305	19,565	3.64	712	35 14,190	4.09	581	4-69	34	925	-.05	26	46
23-56-0005	6512130	1426352	1-66	2 305	22,935	3.82	877	25 15,830	4.14	656	3-70	29	1,024	-.01	35	56
23-56-0005	6707200	1347940	10-66	2 305	19,035	3.90	743	18 16,865	4.04	681	3-70	40	786	-.01	27	43
23-56-0008	5966384	1119686	11-63	5 305	19,498	4.23	824	17 15,742	3.99	628	1-70	44	501	.10	33	40
23-56-0008	6320937	1441440	3-65	3 295	19,900	3.77	736	19 15,496	3.97	615	3-69	42	873	.00	31	48
23-56-0008	6544405	1441440	12-65	2 304	17,970	3.94	708	21 14,075	4.01	565	7-69	40	800	.01	31	46
23-56-0012	6372820	1441440	9-65	3 305	21,670	3.75	812	18 15,993	3.85	616	3-70	42	1,074	.01	40	61
23-56-0012	6835743	1399824	1-67	1 305	19,830	3.56	706	24 15,060	3.91	589	2-69	36	759	-.01	26	41
23-56-0026	6840765	1399824	3-67	1 305	19,980	3.86	756	9 16,810	3.85	648	7-69	36	623	.02	26	38
23-56-0028	5910383	1119686	10-63	4 305	16,990	4.14	703	13 13,190	3.86	509	4-69	44	453	.09	30	37
23-56-0036	5964639	1382261	12-63	3 305	20,743	4.31	894	20 17,483	3.87	677	10-69	42	525	.10	33	41
23-56-0036	6114835	1199324	2-64	4 305	23,260	3.68	855	23 17,787	3.90	694	11-69	44	1,177	-.04	37	61
23-56-0042	5973145	1237057	11-63	5 305	17,806	3.93	700	7 14,160	3.96	561	4-70	44	749	-.03	23	39
23-56-0042	6069204	1237057	2-64	3 305	18,590	4.09	761	7 14,480	3.98	577	4-69	42	766	.00	27	42
23-56-0043	6013538	1199324	1-64	3 305	17,343	3.70	642	16 13,183	3.69	486	12-68	42	934	.00	33	52
23-56-0043	6198972	1199324	11-64	3 305	17,056	3.64	620	14 13,620	3.68	501	10-69	42	856	-.02	28	45
23-56-0043	6878602	1399824	1-66	1 305	16,510	4.01	662	10 12,870	3.75	483	6-69	36	659	.04	30	42
23-56-0050	6332677	1441440	2-65	2 305	18,035	3.85	694	32 13,200	3.61	476	12-69	40	887	.04	38	55
23-56-0050	6486247	1441440	6-65	3 305	20,173	3.72	750	29 13,223	3.65	482	12-69	42	1,190	.03	47	70
23-56-0050	6941949	1347940	11-67	1 305	16,410	3.18	522	11 13,000	3.59	467	3-70	36	817	-.04	24	41
23-56-0050	6965042	1347940	11-66	1 305	18,180	3.56	648	40 13,680	3.63	497	10-69	36	903	-.01	31	49
23-56-0056	6308947	1119686	3-65	2 305	22,150	3.94	872	13 16,735	3.77	631	6-69	40	571	.08	32	41
23-56-0059	6715143	1347940	8-66	1 305	20,610	3.64	745	19 17,570	3.59	631	1-69	36	812	.00	29	45
23-56-0059	6968671	1347940	10-67	1 305	20,460	3.60	741	30 17,580	3.75	660	12-69	36	823	-.02	27	44
23-56-0059	7047303	1441440	11-67	1 305	22,220	3.69	820	25 17,770	3.74	664	1-70	35	793	.01	30	45
23-56-0081	6534895	1320310	6-65	2 305	18,565	4.08	758	26 15,875	4.10	651	1-69	40	917	-.03	29	48
23-56-0102	5931489	1119686	7-63	3 305	20,837	3.82	797	9 16,083	3.79	609	1-69	42	565	.06	29	39
23-56-0102	6735807	1309574	12-66	2 297	19,345	3.75	726	12 15,545	3.72	579	3-70	40	634	.04	29	41
23-56-0102	6886510	1399824	5-67	1 305	22,050	3.96	874	23 16,630	3.68	612	9-69	36	820	.05	37	52
23-56-0102	6886511	1399824	7-67	1 305	21,790	3.85	838	21 17,820	3.69	658	11-69	36	720	.03	31	44
23-56-0118	6349298	1441440	6-65	2 305	17,325	4.13	715	7 12,455	4.17	519	1-70	40	883	.03	36	53
23-56-0125	5837209	1237057	9-62	3 305	19,387	3.99	774	9 14,160	3.93	556	6-69	42	890	-.01	31	49
23-56-0130	6298386	1441440	4-65	2 299	15,870	4.17	662	7 13,440	3.99	536	10-68	40	645	.05	30	42
23-56-0130	6366672	1441440	8-65	3 305	17,940	3.89	698	6 13,950	3.94	550	1-70	42	853	.02	34	50
23-56-0134	5221795	1189870	11-60	6 305	18,168	4.32	785	13 16,385	3.74	613	8-69	44	475	.10	32	39
23-56-0134	5972065	1280015	12-63	3 305	19,417	4.08	793	15 15,967	3.80	607	7-69	42	432	.12	33	39
23-56-0136	6489962	1406271	9-65	2 305	18,545	3.41	633	18 13,535	3.57	483	5-69	40	936	.01	35	53
23-56-0136	6823777	1406271	12-66	1 305	16,150	3.99	645	23 13,380	3.66	490	5-69	36	661	.06	33	45
23-56-0136	6899167	1406271	11-65	3 305	19,440	3.65	709	10 14,433	3.55	513	3-70	42	998	.04	42	61
23-56-0142	6191736	1244845	3-64	3 305	19,117	3.53	675	8 14,067	3.75	527	5-69	42	802	-.05	21	38
23-56-0145	5442331	1189870	1-61	4 305	24,180	3.41	824	28 17,845	3.85	687	12-69	44	1,047	-.07	28	50
23-56-0145	5481020	1189870	10-61	5 305	24,960	3.58	893	19 17,088	3.90	666	4-69	44	1,270	-.04	40	66
23-56-0145	5614576	1189870	9-61	6 303	19,247	4.30	828	25 16,978	3.89	661	1-70	44	546	.08	32	41
23-56-0145	5720225	1189870	10-62	4 292	20,188	4.11	830	17 16,283	3.91	636	5-69	44	728	.05	34	47
23-56-0145	5749758	1189870	7-62	6 305	20,922	4.01	839	12 14,880	4.03	599	4-70	44	1,005	.03	41	60
23-56-0145	5777547	1189870	2-63	4 294	22,015	3.50	770	19 16,730	3.93	658	5-69	44	904	-.05	25	44
23-56-0145	5902178	1189870	9-63	5 305	24,512	3.44	843	26 17,306	3.87	669	10-69	44	1,187	-.06	33	58
23-56-0145	6003437	1189870	11-63	3 304	22,683	3.59	815	19 16,203	4.01	649	6-69	42	993	-.04	30	51
23-56-0145	6243631	1189870	12-63	3 305	21,107	3.52	744	16 16,330	3.81	622	5-69	42	799	-.03	24	41
23-56-0145	6547750	1347940	4-66	2 305	20,390	3.52	718	35 16,955	3.82	647	6-69	40	915	-.04	27	46
23-56-0157	6784133	1441440	3-66	2 305	18,420	3.76	692	9 15,430	3.88	598	11-69	40	722	.01	27	41
23-56-0161	6826705	1237057	12-65	2 303	18,870	4.09	772	15 15,565	3.71	577	3-69	40	649	.02	26	38
23-56-0164	6128177	1189870	10-63	4 301	20,775	3.38	702	9 15,275	3.84	586	11-69	44	912	-.06	24	44
23-56-0171	5185843	1327134	10-60	6 300	17,698	4.15	735	24 14,860	3.74	556	1-69	34	619	.10	37	47
23-56-0171	6207379	1337741	7-64	3 305	16,817	3.95	664	17 12,900	3.67	474	12-68	42	749	.05	34	48
23-56-0175	6314805	1441440	2-65	3 292	18,530	3.62	671	22 14,313	4.00	573	10-69	42	884	-.03	28	46
23-56-0177	6560708	1350190	1-66	2 305	18,825	3.05	575	13 12,240	3.47	425	5-69	40	893	-.10	17	37
23-56-0180	6604307	1199324	1-64	4 305	18,720	3.73	698	9 14,672	3.83	562	5-69	44	962	-.02	32	52
23-56-0180	6604327	1237057	8-65	3 305	19,310	3.64	702	10 14,477	3.99	578	1-69	42	849	-.07	20	39
23-56-0186	6103537	1329588	6-64	4 299	18,948	3.70	702	7 14,260	3.71	529	12-69	44	811	-.02	27	43
23-56-0199	6478226	1320310	5-65	1 305	18,580	3.79	704	19 15,470	3.78	584	1-69	35	911	-.04	27	46
23-56-0200	6049098	1427615	2-64	3 305	18,480	4.07	752	5 16,443	3.72	612	7-69	42	757	-.02	25	40
23-56-0200	6425327	1427615	10-64	4 279	21,270	3.39	7									

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUM8ER	COW SIRE NUM8ER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	OOL- LARS		
23-58-0046	6141290	1221835	10-64	3 297	19,970	3.53	704	13	15,883	3.80	604	12-68	42	818	-.06	21	\$ 39
23-58-0053	5955768	1271019	7-63	5 304	22,330	3.73	834	10	17,210	3.67	631	3-70	44	802	.01	30	46
23-58-0053	6426456	1347940	8-65	3 305	18,393	4.09	753	18	15,583	3.83	597	10-69	42	860	.04	37	53
23-58-0053	6426457	1347940	11-65	1 305	19,550	3.72	728	22	16,210	3.78	612	9-68	36	835	-.01	29	46
23-58-0053	6483656	1347940	12-65	1 305	18,240	3.57	651	22	16,210	3.78	612	9-68	36	738	-.02	23	38
23-58-0053	6483657	1347940	1-66	1 305	22,770	3.86	880	13	17,230	3.80	655	12-69	36	1,007	.01	38	58
23-58-0053	6514798	1347940	2-66	2 305	18,855	3.47	654	17	15,335	3.83	587	8-69	40	907	-.05	26	45
23-58-0053	6663580	1347940	8-66	1 273	21,860	3.61	789	6	19,400	3.69	715	2-70	36	794	-.01	27	43
23-58-0053	6663582	1347940	10-66	1 305	19,460	3.54	688	18	15,280	3.82	583	8-69	36	891	-.03	28	46
23-58-0055	6478399	1347940	11-65	2 302	20,355	3.48	709	23	14,445	3.74	540	1-69	40	1,141	-.03	36	59
23-58-0055	6726744	1347940	4-66	1 282	15,700	3.76	591	27	14,030	3.77	529	9-68	36	695	.00	25	39
23-58-0064	6680000	1347940	10-65	2 305	19,765	3.72	735	12	15,705	3.87	608	2-69	40	966	-.01	33	52
23-58-0074	7022483	1458744	12-67	1 305	19,920	3.84	765	12	17,290	3.73	645	2-70	36	779	.01	29	44
23-58-0082	6517961	1347940	3-66	2 305	17,720	3.55	629	9	13,365	3.70	494	11-69	40	972	-.02	32	52
23-58-0082	6765035	1347940	2-67	1 305	17,120	3.68	630	6	11,970	3.66	434	8-69	36	945	.00	34	53
23-58-0085	7022413	1347940	9-67	1 305	20,500	3.28	673	20	16,240	3.71	602	10-69	36	904	-.04	26	45
23-58-0096	7016327	1348259	12-67	1 305	19,440	3.35	651	19	14,240	3.61	514	12-69	36	753	-.01	25	40
23-58-0100	5818047	1085978	1-63	5 305	17,776	3.65	649	6	15,318	3.62	554	2-70	44	757	-.02	25	40
23-58-0100	6879354	1348259	12-65	2 305	22,830	3.65	833	7	15,145	3.54	536	7-69	40	1,133	.02	44	66
23-58-0101	6787487	1347940	3-67	1 305	17,820	3.68	655	24	13,820	3.81	527	8-69	36	867	-.01	30	47
23-58-0132	6461300	1347940	10-65	3 297	15,933	3.57	565	9	14,236	3.71	528	11-69	42	716	-.02	23	38
23-58-0132	6461302	1347940	11-66	1 299	16,290	4.04	658	9	14,330	3.82	547	11-68	36	719	.01	28	42
23-58-0132	6799801	1347940	10-66	1 305	17,080	3.56	608	9	14,150	3.67	519	11-69	36	790	-.01	27	43
23-58-0155	5709280	1178303	8-62	4 305	17,987	4.10	737	22	14,080	3.90	549	11-69	35	723	.03	31	44
23-58-0155	6319365	1329588	3-65	2 305	18,645	3.72	694	39	13,635	3.93	536	11-69	40	748	-.03	22	38
23-58-0171	5732882	1085978	1-63	5 305	17,646	4.21	743	25	15,212	3.66	557	11-69	44	752	.07	37	50
23-58-0171	6185789	1085978	9-64	3 305	19,447	3.63	706	30	15,643	3.65	571	10-69	42	895	-.02	29	47
23-58-0171	6275696	1245520	1-65	2 302	21,630	3.40	736	35	15,310	3.66	561	9-68	40	921	-.07	23	43
23-58-0171	6740844	1348259	9-66	2 305	18,700	3.67	686	37	15,880	3.62	575	11-69	40	647	.01	25	38
23-58-0179	5330507	1085978	2-61	6 294	16,203	3.96	641	17	13,913	3.77	525	12-68	44	717	.01	27	41
23-58-0186	6442385	1347940	9-65	3 305	23,493	3.35	787	14	15,910	3.56	567	1-70	42	1,412	-.05	44	73
23-58-0187	6906635	1347940	10-67	1 305	18,170	3.64	662	6	14,530	3.72	541	11-69	36	845	-.01	29	46
23-58-0190	6684967	1347940	9-66	2 297	16,430	3.45	567	5	14,700	3.58	526	9-69	40	719	-.02	23	38
23-58-0197	7004651	1348259	8-67	1 305	16,440	4.40	724	13	14,260	3.57	509	10-69	36	528	.08	30	39
23-58-0204	6160636	1237057	2-64	4 305	20,158	3.56	717	30	14,930	3.77	563	9-69	44	938	-.06	25	45
23-58-0204	7275240	1347940	3-67	1 305	17,650	3.98	703	27	14,920	3.69	550	10-69	36	780	.03	32	47
23-58-0218	6139361	1278644	8-64	4 301	17,613	3.60	634	14	14,350	3.57	512	6-69	44	765	-.04	21	37
23-58-0218	6572876	1347940	12-65	1 305	24,420	3.16	772	12	15,810	3.73	589	3-69	36	1,225	-.07	34	60
23-58-0218	6854954	1347940	9-65	1 305	20,590	3.66	754	17	15,560	3.74	582	9-68	36	957	-.01	33	52
23-58-0218	7137555	1347940	3-67	1 305	23,000	3.28	754	15	15,140	3.76	570	8-69	36	1,164	-.05	34	58
23-58-0230	6516873	1347940	10-65	3 255	16,246	3.78	614	7	14,483	3.71	538	1-70	42	727	.01	27	41
23-58-0230	6516874	1347940	3-66	3 290	16,070	3.53	567	8	14,180	3.72	528	2-70	42	738	-.02	23	38
23-58-0251	6571182	1347940	7-66	1 305	15,050	3.56	536	45	11,580	3.61	422	10-68	36	804	-.01	28	44
23-58-0259	6964608	1347940	3-66	2 299	19,400	3.87	750	7	14,600	3.98	581	1-70	40	1,030	.00	37	57
23-58-0283	6684075	1347940	7-66	2 305	16,010	3.62	579	10	13,060	3.43	448	8-69	40	826	.01	32	48
23-58-0283	6684076	1347940	8-66	2 300	16,855	3.48	587	7	13,505	3.50	472	12-69	40	871	-.01	30	48
23-58-0283	6712700	1347940	9-66	2 278	16,975	3.11	528	7	13,770	3.49	480	12-69	40	859	-.05	23	41
23-58-0300	6539837	1347940	4-66	2 292	16,935	3.60	610	14	13,290	3.58	476	9-69	40	899	.00	32	50
23-58-0300	6600015	1347940	4-66	2 294	15,050	3.70	557	15	13,275	3.59	476	10-69	40	709	.01	27	41
23-58-0300	6707327	1347940	12-66	1 261	16,460	3.61	595	13	13,530	3.64	492	1-69	36	785	-.01	27	43
23-58-0306	6165834	1085978	10-64	3 305	17,937	3.93	705	36	14,710	3.68	542	10-69	42	818	.02	32	48
23-58-0306	6659284	1348259	10-66	2 295	18,725	3.68	689	21	15,390	3.66	564	12-69	40	694	.01	27	40
23-58-0310	6255283	1245520	9-64	4 305	22,017	3.42	754	10	16,670	3.93	655	1-70	44	945	-.11	18	39
23-58-0310	6860368	1347940	10-66	2 305	19,700	3.52	694	9	15,640	3.86	603	10-69	40	965	-.04	29	49
23-58-0318	5963680	1239885	8-63	5 301	21,734	3.49	758	29	16,460	3.68	605	12-69	44	697	.00	25	39
23-58-0325	6662024	1347940	10-66	1 305	19,780	3.65	722	5	16,860	3.99	673	11-68	36	809	-.03	25	42
23-58-0343	5337503	1343080	3-61	5 305	23,684	3.26	773	16	14,634	3.69	540	6-69	34	1,488	-.10	38	70
23-58-0343	5427978	1245520	10-61	6 297	19,080	3.69	704	20	14,631	3.72	544	12-69	44	831	-.03	25	42
23-58-0343	6788147	1278644	2-67	1 305	23,580	3.59	946	12	16,280	3.84	625	4-69	36	964	-.07	24	45
23-58-0359	6749084	1347940	1-67	1 305	18,070	3.48	629	9	15,240	3.75	571	5-69	36	790	-.02	25	41
23-58-0359	7143077	1347940	8-67	1 305	18,320	4.01	734	24	15,640	3.72	582	10-69	36	782	.03	32	47
23-58-0359	7143079	1347940	8-67	1 305	17,290	3.74	646	25	15,620	3.72	581	9-69	36	707	.00	25	39
23-58-0383	6082504	1379812	11-62	2 301	22,665	3.99	905	10	18,635	3.64	678	11-68	29	857	.08	43	58
23-58-0384	5120141	1271019	7-60	5 304	17,746	3.93	697	20	12,990	3.60	467	2-70	44	701	.04	31	44
23-58-0385	6701439	1331709	8-65	3 305	27,090	3.58	971	12	17,840	3.58	638	2-70	42	1,382	-.03	46	74
23-58-0451	6466070	1347940	10-65	3 303	18,560	3.64	675	8	15,623	3.81	595	11-69	42	875	-.02	28	46
23-58-0451	6739761	1347940	9-66	2 300	18,720	3.65	684	9	15,905	3.77	600	11-69	40	841	-.02	28	45
23-58-0451	6937996	1347940	10-67	1 275	18,320	3.54	648	6	16,390	3.75	615	10-69	36	732	-.02	23	38
23-58-0451	6937997	1347940	12-67	1 268	17,450	3.84	670	9	15,280	3.72	568	1-70	36	741	.01	28	42
23-58-0456	6338225	1347940	6-65	3 305	18,523	3.60	667	14	14,523	3.66	531						

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	CGW 80R MO-YR	..CCW'S AVERAGE RECS OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	LAST T CALVO C MO-YR O	.....C O W MILK (LB)	I N O FAT (%)	E X FAT (LB)	..... OOL- LARS			
23-58-6006	5251621	1189870	1-61	5 240	18,202	3.85	701	117	13,326	3.65	487	10-68	44	835	.04	36	\$ 52
23-58-6006	5967968	1112211	11-63	3 259	16,713	3.79	634	78	13,330	3.69	492	2-69	8 42	764	-.01	26	41
23-58-6006	6340297	1312008	2-65	2 303	17,960	3.61	648	198	12,760	3.61	460	10-68	8 40	629	.05	30	41
23-58-6010	6767099	1347940	1-67	1 305	16,940	3.90	660	12	13,170	3.93	517	8-69	36	845	.00	31	48
23-59-0015	5973084	1358823	10-63	5 305	20,020	3.81	762	30	15,426	3.73	575	11-69	44	606	.03	26	37
23-59-0016	6642653	1458744	9-66	2 290	17,725	3.75	665	47	16,205	3.54	573	8-69	40	702	.02	28	41
23-59-0016	6695473	1347940	12-66	2 305	20,120	3.57	718	38	16,540	3.57	590	2-70	40	926	.00	33	51
23-59-0016	6803738	1347940	4-67	1 305	19,350	3.17	613	38	15,920	3.58	570	12-69	36	840	-.05	23	41
23-59-0016	6940830	1347940	10-67	1 305	17,700	3.71	657	38	15,920	3.58	570	12-69	36	717	.01	27	41
23-59-0016	6989601	1347940	9-67	1 305	19,970	3.57	713	52	15,850	3.58	568	11-69	36	891	-.01	31	49
23-59-0032	5159627	1306477	8-60	3 291	21,140	3.54	749	19	14,750	3.69	545	11-68	42	823	-.06	21	39
23-59-0032	6081605	1329588	12-63	4 300	18,420	4.03	743	22	15,633	3.61	565	3-69	44	593	.05	28	39
23-59-0036	7394311	1332076	1-67	1 305	21,380	3.80	813	14	14,950	3.79	566	11-69	33	689	.04	30	43
23-59-0038	6754125	010275932	7-63	2 305	21,980	3.94	866	8	13,925	3.74	521	5-69	40	953	.05	42	60
23-59-0049	6720158	1268294	9-66	2 305	21,795	3.57	778	16	15,885	3.88	616	1-70	40	875	-.06	23	42
23-59-0049	7055825	1417208	12-67	1 305	19,820	4.53	898	22	16,120	3.86	623	11-69	36	727	.08	38	50
23-59-0051	6698112	1347940	2-66	2 305	15,730	3.77	593	46	13,560	3.69	500	9-69	40	752	.01	28	43
23-59-0051	6698115	1347940	7-66	1 305	17,960	3.34	599	36	15,370	3.61	555	2-69	36	773	-.03	23	39
23-59-0051	6698117	1347940	9-66	2 305	16,820	3.09	520	46	13,480	3.70	499	10-69	40	870	-.07	21	40
23-59-0051	6698130	1347940	10-66	1 305	18,020	3.44	619	31	15,310	3.64	557	2-69	36	782	-.02	25	41
23-59-0051	6792380	1347940	3-67	1 305	17,380	3.15	548	36	13,810	3.69	509	11-69	36	835	-.05	23	41
23-59-0051	6792381	1469311	12-66	1 305	19,870	3.87	768	36	15,270	3.60	549	2-69	35	580	.07	31	41
23-59-0051	6945456	1347940	8-67	1 305	20,620	3.23	667	36	13,810	3.69	509	11-69	36	1,076	-.05	32	54
23-59-0054	5774943	1199324	3-63	5 299	19,506	3.47	676	23	16,796	3.64	611	2-70	44	834	-.04	24	42
23-59-0054	5952506	1237057	10-63	4 305	21,120	3.40	719	17	16,918	3.65	617	9-69	44	836	-.08	19	37
23-59-0054	6262215	1199324	10-64	4 305	18,970	3.59	681	21	16,955	3.61	612	11-69	44	739	-.01	25	40
23-59-0055	7180270	1347940	9-67	1 305	18,470	3.52	650	33	16,080	3.67	590	9-69	36	764	-.02	25	41
23-59-0058	5702832	1369635	12-62	5 282	19,582	3.52	689	21	14,946	3.71	555	9-69	36	853	-.06	22	40
23-59-0058	6291607	1399910	1-65	3 218	21,420	3.24	695	29	15,203	3.70	562	10-68	8 29	904	-.08	20	40
23-59-0058	6498203	1347940	1-66	2 305	16,355	4.20	687	19	14,775	3.60	532	4-69	40	705	.07	35	47
23-59-0062	6747218	1347940	5-66	2 305	20,060	3.57	716	28	15,685	3.77	592	10-69	40	997	-.03	32	52
23-59-0062	6747219	1347940	11-66	2 305	18,985	3.56	676	27	15,710	3.71	583	12-69	40	886	-.02	29	47
23-59-0062	6747220	1347940	12-66	1 305	19,110	3.45	660	25	16,060	3.70	595	12-69	36	813	-.03	25	42
23-59-0062	6747225	1469311	9-66	2 291	18,435	4.24	782	24	15,760	3.74	589	9-69	40	500	.10	33	40
23-59-0065	6931427	1347940	1-67	1 305	16,490	3.91	644	11	13,540	4.03	545	4-69	36	787	-.01	27	43
23-59-0067	6005197	1276888	10-63	4 282	19,705	3.83	755	17	15,945	3.77	601	11-69	43	654	.04	29	41
23-59-0067	6303224	1330987	1-65	3 305	18,770	3.64	684	19	16,550	3.69	610	2-69	42	598	.03	26	37
23-59-0067	6976327	1347940	12-67	1 268	17,210	3.93	677	11	14,350	4.12	591	2-70	36	786	-.01	27	43
23-59-0069	6444415	1347940	12-65	2 305	18,215	3.41	621	10	15,595	3.89	606	2-69	40	818	-.06	21	39
23-59-0069	6501314	1347940	7-65	3 292	18,223	3.71	676	19	15,313	3.81	584	11-69	42	868	-.02	29	47
23-59-0069	6501315	1347940	9-65	3 288	18,206	3.76	684	15	14,963	3.94	589	1-70	42	902	-.02	30	48
23-59-0069	6718318	1347940	8-66	2 303	21,410	4.09	875	15	14,600	3.99	583	12-69	40	1,234	.03	49	73
23-59-0069	6753249	1347940	10-66	2 282	17,205	3.79	652	16	15,550	3.85	598	9-69	40	720	-.01	25	39
23-59-0069	6871083	1347940	4-67	1 16	18,730	3.93	736	13	17,060	3.92	668	8-69	8 36	717	.00	26	40
23-59-0069	6871084	1347940	5-67	1 305	18,080	3.73	674	17	15,460	3.94	609	10-69	36	776	-.02	25	41
23-59-0069	6937625	1347940	7-67	1 305	18,940	4.09	774	13	17,060	3.92	668	8-69	36	733	.02	29	43
23-59-0069	6937626	1347940	7-67	1 305	20,170	3.61	728	17	15,460	3.94	609	10-69	36	932	-.03	29	48
23-59-0069	6987904	1347940	9-67	1 17	19,050	4.03	767	13	17,060	3.92	668	8-69	8 36	741	.01	28	42
23-59-0069	7016832	1347940	9-67	1 305	19,390	3.56	690	13	17,060	3.92	668	8-69	36	767	-.03	23	39
23-59-0069	7016833	1347940	10-67	1 277	21,870	3.48	762	15	15,080	3.96	597	11-69	36	1,084	-.04	33	56
23-59-0069	7016835	1347940	11-67	1 305	20,700	3.48	721	17	15,460	3.94	609	10-69	36	971	-.04	29	49
23-59-0070	6733669	1347940	1-67	1 305	17,940	3.66	657	20	14,700	3.79	557	2-69	36	817	-.01	28	44
23-59-0070	6733670	1347940	1-67	2 305	16,960	3.55	602	13	14,205	3.75	532	4-70	40	818	-.02	26	43
23-59-0098	5853015	1276888	2-63	5 302	18,392	3.58	658	16	14,172	3.82	541	10-69	44	712	-.01	24	38
23-59-0098	6296480	1330987	1-65	3 305	15,917	4.29	683	21	14,263	3.76	537	10-69	42	507	.11	34	41
23-59-0146	6448195	1460395	11-65	2 305	20,855	3.66	764	17	15,235	3.89	593	3-69	25	727	-.02	23	38
23-59-0146	6718928	1386406	1-67	2 305	19,675	3.88	763	21	16,525	3.84	635	2-70	40	655	.02	27	39
23-59-0151	6372239	1347940	9-65	3 264	17,003	3.80	646	11	13,573	3.91	531	3-70	42	908	-.01	31	49
23-59-0151	6705022	1386406	7-66	2 302	19,570	3.99	780	24	13,815	3.86	533	11-69	40	892	.04	38	55
23-59-0164	6686028	1347940	3-66	2 305	18,085	3.87	699	6	14,535	3.72	540	10-69	40	902	.02	35	52
23-59-0164	6686030	1347940	3-66	2 305	16,830	3.93	662	6	14,795	3.76	557	10-69	40	751	.02	30	44
23-59-0164	6686033	1347940	7-66	2 299	16,920	3.77	638	7	14,950	3.81	570	11-69	40	746	-.01	26	41
23-59-0164	6686036	1347940	9-65	3 305	19,213	3.20	614	10	16,306	3.62	591	4-70	42	879	-.07	21	40
23-59-0164	6711151	1347940	12-66	1 305	17,230	3.48	600	6	15,470	3.43	530	7-69	36	712	.00	25	39
23-59-0164	6920554	1347940	1-67	1 305	20,370	3.54	722	5	15,370	3.77	579	9-69	36	953	-.02	31	50
23-59-0173	6663462	1347940	9-66	1 305	19,730	3.73	736	12	16,460	3.78	623	10-69	36	832	-.01	29	46
23-59-0173	6663463	1347940	9-66	1 305	23,420	3.53	827	10	16,530	3.75	620	9-69	36	1,102	-.02	36	58
23-59-0173	6919321	1347940	9-67	1 305	18,360	4.38	805	12	16,460	3.78	623	10-69	36	730	.05	34	47
23-59-0180	6641856	1347940	5-66	2 295	21,230	4.01	851	13	16,060	4.07	653	10-69	40	1,082	.01	40	61
23-59-0180	6797894	1347940	1-67	2 305	18,895	3.83	724	8	17,220	4.03	694						

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	.....C Q W MILK (LB)	1 N O E X..... FAT (%)	FAT (LB)	..OOL- LARS	
23-59-0265	6951309	1347940	9-67	1 305	20,350	3.45	703	22	17,470	3.80	663	1-70	36	811	-.04	24	\$ 41
23-59-0265	6951311	1347940	11-67	1 305	21,310	3.63	773	24	17,280	3.61	623	10-69	36	895	-.00	32	50
23-59-0266	6655754	1347940	11-65	1 305	15,150	3.61	547	20	12,710	3.77	479	10-69	36	742	-.01	25	40
23-59-0267	6477119	1347940	10-65	3 305	16,793	3.70	622	17	13,946	3.59	501	3-70	42	845	-.01	32	48
23-59-0267	6578007	1347940	9-65	1 305	16,150	3.59	579	22	14,280	3.59	512	12-68	36	712	-.00	25	39
23-59-0272	5666607	1425608	7-62	5 305	23,412	3.43	804	17	15,362	3.42	525	1-70	34	1,295	-.02	44	70
23-59-0277	6747749	1347940	3-67	1 305	20,570	3.66	753	12	15,620	3.64	568	8-69	36	951	-.00	34	53
23-59-0282	6368112	1283536	9-64	4 305	20,905	3.60	753	21	16,083	3.61	580	10-69	44	738	-.03	22	37
23-59-0288	5955563	1244845	10-63	3 305	19,880	3.58	712	10	13,880	3.90	542	12-68	42	910	-.06	24	44
23-59-0299	6672636	1347940	9-66	1 305	15,210	3.68	560	22	13,710	3.77	517	12-68	36	680	-.01	23	37
23-59-0299	6906550	1347940	8-67	1 305	19,500	3.43	669	16	15,480	3.74	579	12-69	36	881	-.03	27	45
23-59-0300	6872232	1347940	5-67	1 290	18,060	3.70	668	11	15,970	3.82	610	12-69	36	741	-.01	25	40
23-59-0319	5964636	1330987	11-63	4 289	15,533	3.97	616	28	13,738	3.74	514	11-69	44	525	-.07	29	38
23-59-0319	6031790	1330987	2-64	4 286	15,685	4.11	644	26	13,828	3.75	518	1-70	44	534	-.09	32	40
23-59-0319	6966118	1347940	8-67	1 305	16,220	3.88	630	32	13,880	3.87	537	11-69	36	744	-.00	27	42
23-59-0345	6793096	1347940	12-66	2 305	21,595	3.24	700	14	16,795	3.64	611	2-70	40	1,052	-.06	29	51
23-59-0345	6798643	1347940	8-66	2 304	21,960	3.44	756	23	16,445	3.69	606	9-69	40	1,121	-.04	35	58
23-59-0345	6798645	1347940	9-66	2 295	19,170	3.40	651	28	16,670	3.69	615	10-69	40	817	-.04	24	41
23-59-0345	7242991	1347940	7-67	1 305	19,470	3.99	776	26	16,910	3.63	613	12-69	36	783	-.03	33	48
23-59-0347	6759674	1347940	3-66	2 296	18,965	3.63	689	7	15,185	3.81	578	5-69	40	932	-.02	31	50
23-59-0354	6536448	1386406	12-65	2 305	21,050	3.99	839	13	18,940	3.53	668	8-69	40	574	-.08	32	41
23-59-0354	6536461	1465802	3-66	1 305	29,240	3.32	971	14	18,990	3.74	711	10-68	23	1,189	-.07	32	57
23-59-0354	7023238	1387978	1-68	1 305	24,060	3.25	782	20	19,720	3.38	667	1-70	35	791	-.03	24	40
23-59-0379	6016547	1239886	8-63	2 305	18,315	3.58	656	16	13,740	3.65	501	3-69	40	608	-.02	25	37
23-59-0379	7064481	1347940	8-67	1 305	20,200	3.52	712	23	15,360	3.72	571	11-69	36	941	-.02	31	50
23-59-0381	6898200	1330981	1-67	2 305	21,680	3.45	748	10	14,310	3.67	525	2-70	40	764	-.02	25	41
23-59-0398	6406924	1271019	8-65	3 305	21,373	3.80	812	22	15,836	4.00	634	2-70	42	761	-.02	24	40
23-59-0398	6577620	1347940	5-66	2 305	18,945	3.57	676	26	16,320	3.88	633	12-69	40	826	-.04	24	41
23-59-0400	5987988	1330987	9-63	2 296	20,140	3.66	738	28	14,165	3.83	543	1-70	40	932	-.02	37	55
23-59-0401	6505984	1441440	3-65	2 301	16,345	3.51	574	10	12,830	3.66	470	4-69	40	749	-.00	27	42
23-59-0402	6800078	1347940	7-66	1 305	17,180	3.88	666	17	15,030	3.84	577	9-69	36	738	-.00	27	42
23-59-0404	6493838	1239242	2-66	1 305	29,080	3.20	931	12	18,370	3.48	640	1-70	36	1,115	-.05	32	55
23-59-0410	6575786	1348259	6-66	2 252	17,605	3.57	629	6	14,570	3.62	527	7-69	40	656	-.00	24	37
23-59-0420	6292355	010275932	1-65	2 305	22,505	3.41	768	5	16,135	3.65	589	1-70	40	803	-.03	25	42
23-60-0003	6198488	1347940	11-64	3 305	18,233	3.58	652	15	15,210	3.77	573	3-69	42	880	-.03	28	46
23-60-0003	6297941	1347940	1-65	4 305	20,970	3.62	760	13	15,240	3.81	581	2-70	44	1,229	-.02	41	66
23-60-0003	6526876	1347940	12-65	1 305	18,710	3.73	698	8	16,360	3.69	603	4-69	36	763	-.00	28	43
23-60-0003	6778118	1347940	9-66	2 299	18,335	4.00	733	13	16,165	3.85	623	11-69	40	779	-.02	31	46
23-60-0003	6778119	1347940	11-66	2 298	19,140	4.18	800	13	16,100	3.85	620	11-69	40	866	-.05	38	54
23-60-0003	6811335	1347940	10-66	1 305	22,250	3.80	845	13	16,190	3.79	614	3-69	36	1,038	-.00	38	58
23-60-0003	6854578	1347940	5-67	1 305	18,000	3.69	664	6	16,330	3.74	610	8-69	36	712	-.00	25	39
23-60-0003	6943158	1347940	6-67	1 305	19,550	4.02	786	6	16,320	3.66	598	5-69	36	828	-.03	35	51
23-60-0003	6943160	1347940	11-67	1 305	17,890	3.74	669	8	15,540	3.79	589	2-70	36	757	-.01	26	41
23-60-0003	7094966	1347940	1-67	1 153	22,020	3.31	729	13	16,190	3.79	614	3-69	36	1,021	-.05	29	51
23-60-0006	6686484	1347940	12-66	2 305	20,505	3.41	700	9	15,230	3.59	547	1-70	40	1,084	-.03	35	57
23-60-0010	6148136	1347940	6-64	3 296	19,403	3.55	689	22	14,686	3.87	569	2-69	42	1,069	-.04	32	54
23-60-0010	6272609	1347940	12-64	3 296	17,500	3.49	611	19	13,703	3.95	541	9-69	42	952	-.06	26	46
23-60-0010	6272611	1347940	3-65	3 305	20,503	3.49	716	19	14,353	3.88	557	2-70	42	1,230	-.05	37	63
23-60-0010	6388417	1347940	5-65	4 288	18,425	4.10	756	18	15,132	3.80	575	1-70	44	927	-.05	41	58
23-60-0010	6536789	1347940	3-66	2 301	21,580	3.25	702	15	15,220	3.77	574	1-70	40	1,194	-.07	32	58
23-60-0010	6536790	1347940	3-66	1 297	17,710	4.14	734	21	13,590	4.05	551	10-68	36	874	-.02	34	51
23-60-0010	6682224	1347940	10-66	2 305	21,140	3.52	744	17	14,775	3.81	563	1-70	40	1,190	-.03	38	62
23-60-0010	6848462	1347940	3-67	1 305	20,690	3.14	649	21	14,160	3.93	557	8-69	36	1,058	-.07	27	50
23-60-0010	6848464	1347940	6-67	1 305	18,870	3.55	669	6	16,510	3.50	578	3-70	36	765	-.00	27	42
23-60-0019	6305956	1347940	3-64	4 290	16,505	3.82	631	21	13,872	3.65	507	3-69	44	830	-.02	33	49
23-60-0019	6305967	1347940	10-64	3 303	15,656	3.65	571	31	13,536	3.75	508	5-69	42	757	-.02	25	40
23-60-0019	6305975	1347940	1-65	3 305	17,980	3.38	607	21	12,796	3.74	479	5-69	42	1,101	-.05	32	55
23-60-0019	6310936	1347940	5-65	2 305	18,925	3.70	701	25	13,745	3.65	502	12-68	40	1,059	-.01	39	60
23-60-0019	6327650	1347940	5-65	3 305	16,140	3.73	602	19	13,456	3.63	489	10-69	42	821	-.01	31	47
23-60-0029	6568475	1330987	12-65	3 297	17,127	3.74	641	16	15,177	3.63	551	3-70	42	551	-.05	27	37
23-60-0029	6630952	1347940	4-65	3 304	18,030	3.61	650	9	14,800	3.61	535	10-69	42	899	-.01	31	49
23-60-0029	7424611	1347940	1-68	1 305	17,080	3.58	611	14	15,350	3.61	554	2-70	36	709	-.01	24	38
23-60-0031	6257920	1347940	10-64	3 305	19,643	3.21	630	8	15,736	3.54	557	5-69	42	988	-.06	27	48
23-60-0031	6734661	1347940	9-66	1 305	20,190	3.45	696	9	16,710	3.63	606	1-70	36	850	-.02	27	44
23-60-0031	6734666	1347940	1-67	1 291	19,080	3.27	623	9	16,710	3.63	606	1-70	36	767	-.04	22	38
23-60-0031	6957679	1347940	11-67	1 305	19,790	3.32	657	16	15,690	3.52	552	8-69	36	888	-.03	28	46
23-60-0032	6314244	1347940	8-64	3 305	17,863	3.42	611	6	14,070	3.61	508	7-69	42	955	-.03	30	50
23-60-0032	6823795	1347940	4-67	1 305	17,090	3.35	573	8	13,710	3.52	483	5-69	36	820	-.02	26	43
23-60-0036	5991347	1347540	10-63	5 297	17,644	3.88	685	13	15,680	3.62	567	2-70	44	775	-.03	33	48
23-60-0043	6687443	1347940	11-66	2 305	18,900	3.57	674										

TABLE 3. HOLSTEIN USOA-OMIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS			
23-60-0150	6941540	1347940	11-67	1 305	23,270	3.22	749	10	16,160	3.58	578	11-69	36	1,116	-.05	33	\$ 56
23-61-0039	6118384	1409864	8-64	4 305	18,985	4.23	803	28	14,598	3.69	538	10-69	33	782	-.13	47	59
23-62-0010	5454689	1300014	10-61	5 297	21,004	3.50	736	21	15,154	3.80	576	5-69	44	1,033	-.10	22	45
23-62-0014	6641986	1259069	9-66	2 305	23,305	3.36	783	22	15,985	3.68	589	1-70	40	920	-.08	22	42
23-62-0015	6628764	1441440	8-66	2 305	17,980	3.92	704	13	15,065	3.72	561	11-69	40	711	-.04	31	44
23-62-0017	5984159	1427615	11-63	3 298	19,253	3.79	729	66	14,380	3.76	540	1-70	42	1,063	-.06	30	52
23-62-0017	6358293	1300014	5-65	3 302	21,866	3.26	712	44	13,596	3.76	511	9-69	42	1,219	-.13	24	52
23-62-0017	6486126	1441440	9-65	3 301	17,243	3.83	660	73	14,610	3.71	542	1-70	42	703	-.03	30	43
23-62-0017	6588955	1399824	5-66	2 300	17,220	3.83	659	61	14,145	3.71	525	11-69	40	686	-.04	30	43
23-62-0017	6718439	1399824	8-66	2 297	19,675	3.49	686	76	14,585	3.76	549	12-69	40	895	-.02	30	48
23-62-0017	6750751	1399824	9-66	1 305	20,610	3.38	697	74	14,570	3.76	548	1-69	36	850	-.02	28	45
23-62-0017	6750752	1441440	11-66	2 294	19,490	3.38	659	68	14,910	3.70	552	2-70	40	879	-.03	28	46
23-62-0017	6750753	1441440	2-67	1 305	17,490	3.87	676	53	14,740	3.67	541	4-69	35	641	-.03	28	40
23-62-0017	6944354	1427615	7-67	1 305	20,630	3.28	677	76	14,810	3.75	555	12-69	35	986	-.12	18	41
23-62-0017	6969969	1441440	8-67	1 305	19,090	3.50	669	67	14,770	3.72	549	11-69	35	760	-.00	27	42
23-62-0047	6679906	1441440	9-65	3 305	16,663	3.55	591	12	14,213	3.69	525	8-69	42	677	-.00	24	37
23-62-0072	6793608	1320310	2-67	1 305	18,140	3.81	691	7	13,360	3.78	505	8-69	35	1,021	-.04	31	52
23-62-0077	6830454	1417208	8-65	2 305	15,365	4.04	620	39	13,475	3.59	484	2-70	40	595	-.05	29	40
23-62-0092	6157222	1423862	3-64	4 305	19,692	3.67	722	46	15,115	3.53	533	8-69	34	943	-.00	34	53
23-62-0092	6157223	1423862	5-64	3 305	20,823	3.16	657	51	15,270	3.45	527	12-69	32	1,037	-.09	24	47
23-62-0092	6178280	1427615	5-64	3 305	20,333	3.26	663	50	15,260	3.51	536	9-68	42	1,097	-.11	23	48
23-62-0092	6198071	1423862	8-64	3 305	19,833	3.40	675	49	15,066	3.47	523	10-69	32	929	-.04	27	47
23-62-0092	6198072	1423862	8-64	3 305	18,580	3.39	630	50	15,126	3.45	522	3-69	32	752	-.04	21	37
23-62-0092	6198074	1423862	9-64	3 305	20,003	3.48	697	51	15,010	3.50	525	7-69	32	958	-.03	30	50
23-62-0092	6198076	1423862	9-64	4 305	20,995	2.95	620	54	15,517	3.42	531	2-70	34	1,079	-.13	20	45
23-62-0092	6368759	1423862	2-65	3 305	23,286	3.01	701	49	15,036	3.47	522	6-69	32	1,398	-.13	31	62
23-62-0092	6368760	1423862	2-65	3 305	23,136	2.95	683	49	14,686	3.45	507	11-69	32	1,421	-.14	30	62
23-62-0092	6441957	1423862	4-65	3 303	19,836	3.17	628	46	14,693	3.51	516	9-69	32	974	-.09	22	44
23-62-0092	6524983	1423862	12-65	2 305	20,110	3.62	727	52	14,730	3.49	514	9-69	29	933	-.01	32	51
23-62-0092	6919173	1423862	5-67	1 305	19,650	3.74	734	57	14,650	3.40	498	10-69	24	759	-.00	28	43
23-62-0092	7230256	1423862	7-67	1 305	20,210	3.56	720	57	14,650	3.40	498	10-69	24	809	-.01	27	43
23-62-0094	6105918	1406271	5-64	4 305	16,755	3.88	650	12	14,242	3.57	509	11-69	44	721	-.07	36	49
23-62-0094	6580075	1308101	4-66	2 305	18,520	3.79	701	15	15,360	3.59	551	8-69	40	891	-.01	33	51
23-63-0013	6118414	1427615	5-64	4 301	19,567	3.59	703	18	16,580	3.71	615	3-70	43	883	-.08	20	40
23-63-0013	6519928	1441440	8-65	3 294	19,196	3.55	682	26	15,860	3.75	594	10-69	42	799	-.01	27	43
23-63-0023	4908611	1228022	9-58	7 305	19,589	3.78	741	19	14,927	3.84	573	4-69	44	1,169	-.05	35	59
23-63-0023	5988582	1294703	11-63	4 299	20,528	3.81	782	22	16,458	3.76	618	10-69	43	912	-.01	31	49
23-63-0023	7037203	1458744	9-67	1 305	24,430	3.38	826	23	17,270	3.60	622	11-69	36	1,116	-.03	35	58
23-63-0024	6535867	1441440	12-64	3 305	17,306	3.75	649	37	13,296	3.93	523	11-69	42	848	-.00	31	48
23-63-0024	6979322	1399824	12-66	1 305	18,490	3.92	724	20	15,750	3.87	609	4-70	36	613	-.03	26	37
23-63-0028	5951910	1119686	12-63	4 302	16,843	4.26	718	10	13,328	3.78	504	7-69	44	420	-.12	32	37
23-63-0034	6788518	1406271	1-67	1 305	15,300	3.38	517	11	12,710	3.46	440	7-69	36	643	-.03	27	39
23-63-0111	6861887	1261857	1-67	1 305	18,050	3.83	692	15	14,030	3.74	525	8-69	36	770	-.08	39	52
23-63-0115	4940558	1179372	10-59	4 299	19,858	3.59	712	6	14,860	3.71	552	11-69	44	837	-.01	29	46
23-63-0152	6070274	1300014	1-64	4 294	17,832	3.77	672	14	12,260	3.76	461	7-69	44	934	-.05	26	46
23-63-0160	6519821	1330987	9-65	3 303	19,057	3.40	647	25	16,237	3.58	582	12-69	42	664	-.01	25	38
23-63-0160	6831718	1458744	2-67	1 305	22,950	3.06	703	25	15,920	3.57	569	1-70	36	1,097	-.07	29	53
23-63-0160	6960617	1458744	6-67	1 288	18,900	3.98	725	11	15,550	3.50	545	2-70	36	768	-.03	32	46
23-63-0163	5856766	1396768	11-62	3 303	17,740	3.82	678	20	13,923	3.60	501	12-68	42	613	-.02	25	37
23-63-0166	6747924	1463351	8-66	2 304	18,950	3.51	665	12	13,380	3.62	485	10-69	29	725	-.02	23	38
23-64-0003	6429036	1347940	7-65	1 301	17,100	3.32	567	33	14,830	3.78	561	8-69	36	745	-.04	21	37
23-64-0003	6631096	1347940	8-66	2 305	17,540	3.42	599	41	15,230	3.77	574	2-70	40	783	-.04	22	39
23-64-0003	6731814	1347940	9-66	2 298	16,575	3.70	613	41	15,020	3.79	570	2-70	40	705	-.01	24	38
23-64-0003	6822067	1347940	12-66	2 305	19,620	3.48	682	41	15,230	3.77	574	2-70	40	994	-.04	30	51
23-64-0003	6822068	1347940	1-67	1 305	17,140	3.70	635	26	14,870	3.92	583	6-69	36	746	-.02	24	39
23-64-0003	6870257	1347940	3-67	1 305	17,690	3.67	649	34	15,150	3.85	584	7-69	36	768	-.02	25	41
23-64-0003	6907532	1347940	9-67	1 284	16,400	3.63	595	41	14,830	3.70	549	10-69	36	693	-.01	24	38
23-64-0003	6968939	1379208	10-67	1 305	20,310	3.47	704	56	14,940	3.69	552	11-69	35	804	-.02	26	42
23-64-0004	6443194	1347940	7-65	1 305	20,040	3.71	744	21	16,450	3.59	590	2-70	36	856	-.01	32	49
23-64-0004	6443205	1330987	1-66	2 305	19,235	3.86	743	20	16,185	3.69	597	3-70	40	656	-.06	33	44
23-64-0004	6686625	1347940	8-66	1 305	16,710	3.58	598	17	14,730	3.88	572	5-69	36	723	-.03	22	37
23-64-0004	6686627	1347940	11-66	1 305	16,720	3.73	623	16	14,680	3.86	566	7-69	36	727	-.01	25	40
23-64-0011	6455787	1347940	10-65	3 297	19,480	3.79	738	18	16,186	3.77	610	12-69	42	922	-.00	34	52
23-64-0011	6687475	1347940	11-66	2 301	20,040	3.86	773	18	16,430	3.77	619	1-70	40	927	-.02	36	54
23-64-0011	6937643	1347940	8-67	1 305	17,830	3.75	669	16	15,580	3.55	553	8-69	36	750	-.01	29	44
23-64-0029	5420272	1244845	6-61	7 304	18,354	3.75	688	23	14,520	3.64	529	10-69	44	714	-.01	25	39
23-64-0029	6440635	1330987	10-65	3 301	16,067	4.01	644	18	14,450	3.70	534	8-69	42	505	-.07	29	37
23-64-0045	5813875	1244845	11-62	6 305	21,043	3.56	750	15	16,548	3.68	609	12-69	44	826	-.05	23	41
23-64-0045	6076308	1237057	3-64	4 301	23,230	3.39	788	18	15,875	3.74	593	12-69	44	1,212	-.09	30	56
23-64-0056	6643217	1347940	7-66	1 305	20,930	3.51	735	13									

COW'S LAST HERD CODE		..REGISTRATION... COW NUMBER SIRE NUMBER		COW BORN MO-YR		..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8) FAT (%) FAT (L8)			..HEROMATE AVERAGES.. NO. MILK (L8) FAT (%) FAT (L8)				LAST T CALVO C MO-YR O		.....C O W I N O E X..... MILK (L8) FAT (%) FAT (L8) OOL- LARS			
23-64-0109	6832741	1347940	1-67	1	305	15,670	4.12	646	17	13,850	3.94	546	4-69	36	705	.02	28	\$ 42
23-64-0109	7104041	1347940	2-68	1	297	16,430	3.69	607	27	13,700	3.92	537	2-70	36	771	-.02	25	41
23-64-0116	6018754	1212173	12-63	3	305	20,247	4.26	862	29	16,507	3.87	639	3-69	42	602	.09	35	45
23-64-0188	6041734	1255520	10-63	3	305	19,983	3.55	709	8	14,556	3.81	555	8-69	42	888	-.06	23	42
23-64-0188	6146579	1239886	4-64	2	305	20,740	3.35	694	18	14,760	3.67	541	3-70	40	761	-.01	26	41
23-64-0188	6660594	1221835	9-65	1	305	22,250	3.69	822	16	15,130	3.72	563	6-69	36	898	-.02	29	47
23-64-0188	6776972	1347940	2-67	1	302	17,130	3.59	615	16	14,380	3.76	541	5-69	36	778	-.01	26	42
23-64-0188	7042596	1347940	8-67	1	303	17,290	3.25	562	30	14,170	3.65	517	12-69	36	804	-.04	23	40
23-64-0194	6462122	1347940	8-65	3	300	17,700	3.53	624	18	15,056	3.67	552	1-70	42	835	-.02	27	44
23-64-0199	6592712	1417208	12-64	3	298	19,993	3.64	727	6	15,130	3.77	570	5-69	42	968	-.01	34	53
23-64-0199	6596145	1347940	3-66	2	305	21,060	3.26	686	5	15,930	3.57	569	3-70	40	1,077	-.05	31	54
23-64-0199	6822705	1347940	12-66	1	305	18,410	3.74	688	8	15,710	3.77	592	6-69	36	784	.00	28	44
23-64-0199	6931036	1347940	9-67	1	297	17,260	3.88	670	5	15,230	3.62	552	2-70	36	731	.02	29	43
23-64-0211	6690395	1347940	7-66	1	305	18,070	3.57	645	9	15,530	3.61	561	11-68	36	771	-.01	26	42
23-64-0222	6544444	1347940	10-65	3	305	26,516	3.62	959	22	15,913	3.90	620	2-70	42	1,760	-.03	58	94
23-64-0222	6544448	1347940	11-65	3	289	18,593	3.47	645	20	16,096	3.87	623	10-69	42	830	-.05	22	40
23-64-0222	6770280	1347940	8-66	2	305	17,855	4.17	744	17	15,995	3.94	631	8-69	40	745	.03	32	46
23-64-0222	6770283	1347940	3-67	2	299	19,655	3.61	709	8	16,935	3.96	671	3-70	40	842	-.04	24	42
23-64-0222	6982712	1347940	9-67	1	288	19,760	3.67	726	20	16,580	3.99	661	10-69	36	826	-.03	26	43
23-64-0222	6982715	1347940	9-67	1	305	20,320	3.76	765	17	16,350	4.03	659	9-69	36	883	-.02	29	47
23-64-0222	6982716	1347940	10-67	1	305	18,950	3.92	743	20	16,580	3.99	661	10-69	36	766	.00	27	42
23-64-0222	6994563	1347940	11-67	1	298	19,740	4.06	801	16	16,790	3.93	660	12-69	36	811	.01	31	47
23-64-0222	6994564	1347940	11-67	1	305	19,790	4.14	819	16	16,790	3.93	660	12-69	36	814	.02	33	49
23-64-0226	6390002	1347940	11-65	2	305	15,620	3.89	607	14	14,025	3.79	531	2-69	40	698	.01	27	41
23-64-0226	6628187	1330587	8-66	2	305	18,300	3.64	667	23	14,200	3.83	544	2-70	40	743	.02	30	44
23-64-0226	6695044	1347940	1-67	1	305	17,970	3.34	601	12	14,780	3.68	544	2-69	36	814	-.04	24	41
23-64-0226	6884086	1347940	8-67	1	305	21,800	3.69	805	16	15,120	3.82	578	11-69	36	1,076	-.01	37	59
23-64-0226	6971977	1347940	1-68	1	305	18,740	3.96	742	10	15,520	3.85	598	3-70	36	821	.01	31	47
23-64-0227	6418332	1347940	8-65	2	305	16,240	3.80	617	20	14,160	3.84	544	3-69	40	749	.00	27	42
23-64-0227	6747750	1347940	9-66	2	305	18,470	4.06	750	23	15,470	3.81	590	12-69	40	856	.03	36	52
23-64-0227	6833272	1347940	7-67	1	305	17,580	3.73	656	7	13,520	3.85	520	8-69	36	869	-.01	30	47
23-64-0247	6347562	1347940	8-65	3	302	17,083	3.86	659	15	15,126	3.80	575	12-69	42	756	.00	28	43
23-64-0247	6698711	1347940	9-66	2	270	18,050	3.23	583	8	15,755	3.67	578	1-70	40	787	-.06	20	37
23-64-0247	7096816	1347940	9-66	2	296	20,180	3.33	672	12	15,300	3.81	583	9-69	40	1,045	-.06	29	51
23-64-0247	7180420	1347940	8-67	1	305	18,420	3.36	618	17	15,880	3.72	591	10-69	36	773	-.04	22	38
23-64-0248	5618668	1245520	10-61	5	299	19,058	3.39	646	12	13,988	3.48	487	2-69	44	902	-.06	24	43
23-64-0248	6434374	1278644	11-65	2	305	19,955	3.87	772	10	14,310	3.58	512	11-69	40	955	-.01	33	52
23-64-0255	6347563	1347940	8-65	3	300	20,470	3.58	733	15	15,993	3.56	570	10-69	42	1,056	-.01	37	58
23-64-0268	7114007	1347940	11-66	2	305	18,990	3.83	727	13	16,380	3.58	587	3-70	40	825	.03	34	50
23-64-0268	6751406	1347940	7-66	1	305	19,060	3.68	701	30	16,770	3.79	636	9-68	36	761	-.01	26	41
23-64-0275	6572874	1347940	9-65	2	305	19,460	3.77	734	6	17,275	3.58	619	7-69	40	791	.02	32	47
23-64-0290	6602092	1347940	7-66	1	305	20,810	3.91	814	10	15,940	4.03	642	11-68	36	947	.00	34	53
23-64-0307	6805845	1347940	5-67	1	296	18,700	3.74	699	15	16,480	3.65	602	8-69	36	754	.01	28	43
23-64-0308	6731648	1347940	9-66	1	305	19,550	3.69	722	6	16,870	4.09	690	10-69	36	791	-.03	24	40
23-64-0308	6780455	1347940	10-66	1	305	22,940	3.47	796	6	16,870	4.09	690	10-69	36	1,044	-.06	29	51
23-64-0308	6780457	1347940	1-67	1	305	23,030	3.66	843	6	16,830	4.09	688	9-69	36	1,053	-.03	33	55
23-64-0308	7001822	1347940	9-67	1	305	20,140	3.74	753	6	16,830	4.09	688	9-69	36	838	-.03	26	43
23-64-0308	7001824	1347940	12-67	1	305	26,120	4.10	1072	6	17,520	4.07	713	12-69	36	1,237	.02	48	72
23-64-6001	6427514	1330987	7-65	3	305	20,700	4.04	836	26	17,360	3.63	630	1-70	42	736	.10	41	53
23-64-6001	6427518	1282936	8-65	2	305	23,345	3.49	814	19	17,975	3.70	665	2-69	40	828	-.03	25	42
23-64-6002	6228777	1237057	10-64	3	281	21,737	3.47	754	30	17,043	3.56	607	9-68	42	862	-.05	23	41
23-64-6002	6228779	1237057	10-64	4	296	22,070	3.34	738	8	17,015	3.60	613	3-70	44	942	-.08	22	43
23-64-6002	6499371	1330987	11-65	2	288	18,070	3.84	693	21	16,470	3.57	588	8-69	40	512	.07	29	37
23-64-6002	6686603	1330987	7-66	2	305	19,440	3.70	720	20	16,365	3.54	579	9-69	40	660	.06	32	44
23-64-6002	6710114	1330987	9-66	2	296	18,150	3.70	672	20	16,235	3.57	579	9-69	40	541	.06	28	37
23-64-6002	6750936	1330987	11-66	1	305	21,610	3.75	811	16	15,720	3.53	555	11-69	36	797	.06	38	52
23-64-6002	6800715	1330987	12-66	1	305	19,360	3.63	702	12	16,010	3.63	581	7-69	36	610	.04	28	39
23-64-6002	6800716	1330987	1-67	1	305	19,680	3.49	687	12	16,010	3.63	581	7-69	36	634	.03	27	39
23-65-0011	6784367	1441440	11-66	2	303	18,920	3.69	699	22	14,375	3.78	543	9-69	40	870	.01	33	50
23-65-0011	6876792	1320310	9-67	1	305	19,210	3.37	648	21	15,020	3.79	569	10-69	35	989	-.08	24	46
23-65-0022	5622393	1189870	2-62	6	304	21,330	3.86	823	10	17,312	3.69	639	11-69	44	776	.04	34	48
23-65-0038	6531289	1441440	11-65	2	305	15,430	3.52	543	14	12,215	3.63	443	9-69	40	712	.00	26	40
23-65-0067	6573449	1441440	3-66	2	305	17,285	3.86	668	14	13,850	3.71	514	3-70	40	751	.03	32	46
23-65-0069	6697579	1300014	7-66	2	305	19,405	3.77	731	42	14,705	3.69	543	12-69	40	767	-.05	20	37
23-65-0069	6697586	1399824	8-66	2	305	20,010	3.22	644	44	14,580	3.70	539	9-69	40	930	-.04	27	47
23-65-0069	6697587	1399824	8-66	2	305	21,100	2.96	624	47	14,725	3.67	541	12-69	40	1,027	-.08	25	47
23-65-0069	6697591	1399824	10-66	2	299	19,800	3.43	679	49	15,035	3.69	555	10-69	40	867	-.02	29	47
23-65-0069	6837560	1399824	3-67	2	288	18,775	3.98	747	41	15,090	3.64	550	1-70	40	758	.06	36	50
23-65-0069	6837562	1399824	5-67	1	305	20,640	3.24	669	19	15,320	3.64	558	2-69	36	802	-.03	25	42
23-65-0073	5911112	1427615	8-63	5	305	17,926	3.85	691	15	15,230	3.50							

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVD C REPT MO-YR O (%)	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS			
23-66-0005	7179809	1447750	2-67	1 305	17,980	3.95	711	14	14,210	3.74	531	8-69	33	636	.02	26	\$ 38
23-66-0014	6733681	1347940	11-66	2 305	18,060	3.70	669	8	14,335	3.93	563	10-69	40	918	-.02	30	49
23-66-0014	6733682	1347940	11-66	1 305	21,110	3.75	792	10	15,450	3.64	562	2-70	36	1,003	.01	37	57
23-66-0014	6733683	1347940	12-66	2 305	17,310	4.10	710	10	15,420	3.85	593	1-70	40	743	.04	32	46
23-66-0014	6766663	1347940	4-66	1 266	17,650	3.87	683	9	14,840	3.94	584	10-69	36	786	.00	28	44
23-66-0014	6987910	1347940	4-67	1 305	17,360	3.53	613	12	14,090	3.90	549	7-69	36	814	-.03	25	42
23-66-0024	6802149	1347940	2-67	1 305	16,630	3.69	613	26	14,970	3.85	577	10-69	36	701	-.02	23	37
23-66-0046	6511209	1244009	10-64	4 305	18,330	4.00	733	9	16,375	3.66	600	3-70	44	684	.02	27	40
23-66-0053	7066208	1347940	9-67	1 305	16,820	3.69	621	10	14,640	3.66	536	10-69	36	737	.00	26	41
23-66-0061	5787021	1085978	8-62	2 305	16,390	3.19	523	6	13,000	3.50	455	4-69	40	788	-.06	20	37
23-66-0063	5644375	1163043	10-61	3 305	18,973	3.82	725	31	14,663	3.68	539	9-68	42	480	.11	33	40
23-66-0063	6960103	1347940	10-67	1 305	17,140	3.46	593	39	15,290	3.66	560	11-69	36	718	-.02	23	38
23-66-0064	6364512	1347940	8-65	2 305	18,490	3.88	718	9	14,025	3.71	520	3-69	40	990	.02	39	58
23-66-0080	6452651	1347940	1-66	3 305	17,480	3.65	638	11	13,840	3.70	512	3-70	42	935	-.01	32	51
23-66-0085	5643376	1189870	8-62	3 305	19,260	3.68	709	24	14,427	3.72	536	11-69	42	783	.01	29	44
23-66-0085	5724109	1189870	11-61	3 305	17,357	4.07	707	28	13,923	3.72	518	11-68	42	616	.06	31	42
23-66-0085	6672864	1453516	1-66	2 305	21,620	3.65	789	27	15,245	3.71	566	1-70	25	823	.00	29	45
23-66-0085	6751521	1347940	10-66	1 305	17,570	4.14	728	22	13,070	3.67	480	4-69	36	899	.04	38	55
23-66-0085	6814742	1469311	9-66	2 305	18,465	3.96	732	31	14,880	3.75	558	10-69	40	584	.07	31	41
23-66-0085	6833314	1347940	12-66	1 305	18,760	3.38	635	28	13,310	3.71	494	6-69	36	971	-.03	30	50
23-66-0085	6934147	1347940	2-67	1 288	17,260	3.81	657	31	15,450	3.74	578	11-69	36	716	.00	26	40
23-66-0089	6750707	1347940	2-67	1 305	17,580	3.67	646	7	14,050	3.62	509	3-69	36	834	.00	30	47
23-66-0089	7102512	1360676	8-67	1 305	17,760	3.81	677	18	14,610	3.79	553	11-69	34	718	.01	28	42
23-66-0100	6358956	1347940	8-65	3 305	15,626	3.47	542	7	12,613	3.68	464	10-69	42	849	-.03	26	44
23-66-0100	6879934	1347940	9-67	1 303	15,420	3.35	516	7	12,890	3.67	473	11-69	36	750	-.03	23	39
23-66-0101	6227534	1239886	8-64	3 305	15,977	4.02	643	28	12,507	3.75	469	12-69	42	523	.07	29	38
23-66-7004	7111058	1347940	11-66	1 305	18,540	3.51	651	22	13,470	3.77	508	11-69	36	944	-.03	30	49
23-67-0003	5133433	1189870	4-60	8 300	20,390	3.62	738	18	14,823	3.77	559	10-69	44	943	-.01	32	51
23-67-0003	5339055	1189870	7-60	6 305	19,470	3.94	767	22	14,455	3.84	555	3-69	44	867	.03	36	52
23-67-0003	5372146	1189870	5-61	4 304	26,975	3.94	1064	20	15,338	3.74	573	2-69	44	1,671	.06	70	101
23-67-0003	5470060	1189870	8-61	3 305	19,063	3.86	735	20	15,247	3.69	562	6-69	42	676	.03	29	42
23-67-0003	5708121	1189870	8-62	5 301	22,908	3.58	819	30	14,624	3.72	544	10-69	44	1,291	-.02	44	70
23-67-0003	5953962	1189870	7-63	4 301	19,150	3.55	679	17	14,765	3.68	544	4-69	44	768	-.01	26	42
23-67-0003	6008648	1189870	2-62	3 295	24,420	3.66	893	18	14,640	3.72	544	4-70	42	1,355	.00	49	76
23-67-0003	6015710	1189870	8-63	4 305	18,288	3.87	707	17	14,378	3.67	528	7-69	44	705	.04	31	44
23-67-0003	6728764	1469311	12-66	2 240	18,580	3.90	724	27	15,360	3.71	570	2-70	40	552	.06	29	38
23-67-0004	6128824	1347940	8-64	3 305	21,436	3.85	826	14	19,646	3.74	735	2-70	42	789	.02	31	46
23-67-0004	6365493	1237057	2-65	3 305	24,933	3.42	853	14	19,083	3.75	716	1-69	42	1,019	-.09	23	46
23-67-0004	6649999	1441440	2-66	1 305	22,540	3.76	848	16	20,300	3.81	773	2-70	35	645	.01	25	37
23-67-0004	6950940	1441440	8-67	1 305	24,700	3.63	896	16	20,300	3.81	773	2-70	35	808	.00	29	45
23-67-0004	6961884	1399824	9-67	1 305	26,980	3.57	963	18	19,710	3.78	746	1-70	36	980	.00	35	54
23-67-0014	7256489	1330987	5-67	1 305	18,170	4.06	738	7	15,040	3.86	580	4-69	36	586	.07	31	41
23-67-0016	6517164	1441440	7-65	2 305	17,955	3.39	609	26	13,940	3.73	520	5-69	40	811	-.02	26	43
23-67-0021	7009489	1417208	1-68	1 305	20,800	3.29	685	5	16,580	3.86	640	3-70	36	769	-.05	21	37
23-67-0037	6322256	1436081	1-65	3 305	18,100	3.69	668	6	12,783	3.64	465	10-69	42	631	.04	29	40
23-67-0067	5360998	1189870	2-61	7 305	21,470	4.04	868	22	19,361	3.71	718	11-69	44	556	.07	30	39
23-67-0067	5782063	1189870	1-63	5 305	22,484	3.53	793	19	17,616	3.80	669	11-69	44	889	-.04	26	45
23-67-0067	5901814	1189870	3-63	4 305	23,108	3.83	886	25	20,455	3.73	762	12-69	44	625	.03	27	39
23-67-0067	6670925	1670036	8-66	2 305	26,510	3.50	927	26	19,965	3.77	753	9-69	40	1,016	.01	38	58
23-67-0079	5716638	1399824	11-62	3 225	19,616	3.61	709	13	16,656	3.49	581	1-69	42	731	.03	31	45
23-67-0079	5980552	1189870	4-63	4 305	21,543	3.68	792	18	17,453	3.78	660	2-70	44	765	.00	27	42
23-67-0079	6794231	1406271	2-67	2 305	23,235	3.40	790	23	19,450	3.72	723	2-70	40	871	-.02	29	47
23-67-0079	7033563	1406271	10-67	1 305	20,990	3.84	806	20	17,930	3.74	670	10-69	36	716	.05	33	46
23-67-0079	7045939	1427615	11-67	1 305	24,220	3.36	813	19	19,370	3.66	709	3-70	35	947	-.11	18	40
23-67-0111	5741252	1399824	12-62	4 282	17,255	3.49	603	17	14,307	3.66	523	12-68	44	720	-.01	25	39
23-67-0111	6339830	1320310	5-65	2 305	17,435	3.46	603	36	14,215	3.61	513	5-69	40	954	-.06	26	46
23-67-0112	6909610	1377954	10-67	1 305	20,180	3.20	645	27	15,730	3.64	572	11-69	36	716	-.03	22	37
23-67-0127	6458386	1399824	12-65	2 293	21,370	3.16	675	7	16,540	3.52	583	12-69	40	889	-.04	26	45
23-67-0160	6788767	1309574	3-67	1 305	23,920	3.55	848	18	16,530	3.88	641	6-69	36	817	.00	30	46
23-67-0160	6788772	1399824	1-67	1 305	20,540	3.62	743	19	16,930	3.85	652	7-69	36	687	.00	25	39
23-67-0182	5726922	1119686	11-62	4 300	18,828	3.97	748	29	14,635	3.59	525	10-69	44	520	.11	34	42
23-67-0182	5906714	1189870	9-63	4 305	18,600	3.51	653	21	14,343	3.66	525	3-69	44	747	-.01	25	40
23-67-0182	5906715	1189870	10-63	5 305	17,992	3.85	693	23	14,806	3.67	543	2-70	44	636	.03	28	40
23-67-0182	6194473	1337741	9-64	4 301	18,818	3.41	641	30	14,080	3.61	508	9-69	43	890	-.03	28	46
23-67-0182	6587136	1337741	7-66	2 298	19,340	3.22	623	33	14,085	3.59	505	7-69	40	853	-.05	24	42
23-67-0182	6640636	1309574	4-66	2 293	16,300	4.21	687	32	14,375	3.53	507	7-69	40	432	.11	32	38
23-67-0182	6670927	1337741	9-66	2 305	17,145	3.64	624	36	13,955	3.59	501	10-69	40	641	.01	25	37
23-67-0182	6670928	1337741	9-66	2 305	20,765	3.38	702	25	15,155	3.70	560	2-70	40	900	-.04	27	46
23-67-0182	6786651	1309574	2-67	2 305	19,550	3.38	661	33	14,675	3.63	532	11-69	40	734	.00	27	41
23-67-0184	5403154	1189870	8-61	6 305	19,000	4.24	805	9	15,550	3.90	606	2-69	44	680	.07	35	

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS	MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	OODL- LARS
23-67-0248	6621230	1330987	7-66	2 305	15,805	4.29	678	17 13,230	3.93	520	12-69	40	578	.08	33	\$ 42
23-67-0249	6624170	1309574	5-66	1 305	23,740	3.13	744	5 16,400	3.92	643	3-69	36	812	-.05	22	39
23-67-0249	6941317	1320310	8-67	1 305	19,020	3.36	639	6 15,810	3.81	603	12-69	35	921	-.08	21	41
23-67-0260	6688867	1320310	4-66	1 305	16,340	4.19	684	18 13,530	3.80	514	9-68	35	873	-.01	30	48
23-67-0260	7081528	1337741	10-67	1 281	18,830	3.94	742	20 15,740	3.60	566	11-69	35	583	.04	27	38
23-67-0271	6516510	1450228	2-66	2 305	15,970	3.68	588	21 13,715	3.67	504	10-69	37	887	-.03	28	46
23-67-0271	6713099	1337741	1-67	1 305	17,710	3.55	629	15 12,900	3.69	476	12-68	35	692	-.01	24	38
23-67-0271	7304435	1441440	4-67	1 305	16,330	3.90	637	17 14,120	3.63	512	1-70	35	596	.04	27	38
23-67-0271	7421569	1347940	12-67	1 297	16,010	3.74	599	16 14,000	3.65	511	2-70	36	720	.00	26	40
23-67-0272	6839730	1347940	7-67	1 305	20,700	3.65	756	12 14,790	3.77	558	2-70	36	1,016	-.01	35	55
23-67-0292	6160776	1320310	7-64	4 305	16,925	3.61	611	8 15,033	3.70	556	10-69	43	838	-.05	23	41
23-67-0292	6722945	1347940	6-66	1 19	16,710	3.77	630	12 15,090	3.68	556	10-68	8 36	699	.01	26	40
23-67-0293	5325195	1085978	1-61	3 305	16,960	4.07	691	27 15,303	3.73	571	4-69	42	644	.03	27	39
23-67-0293	5682312	1347940	3-62	4 305	19,892	3.82	759	27 15,060	3.56	536	2-70	44	1,116	.04	46	67
23-67-0293	6580368	1240125	6-66	2 305	17,840	3.54	632	21 13,645	3.70	505	10-69	40	720	-.03	22	37
23-67-0293	6807956	1441440	10-66	2 305	19,255	4.16	801	29 14,210	3.60	511	12-69	40	919	.09	46	62
23-67-0293	6807960	1428145	2-67	1 305	19,900	3.59	715	25 13,560	3.69	501	3-69	33	863	-.05	24	42
23-67-0296	6203598	1316590	4-64	4 305	20,388	3.26	664	10 13,490	3.88	523	12-69	44	857	-.07	20	39
23-67-0301	6806214	1458744	10-66	1 305	19,460	3.88	755	11 16,500	3.87	638	2-69	36	798	.00	29	45
23-67-0302	5412498	1232296	2-61	3 305	19,187	3.36	644	7 15,027	3.65	549	3-70	42	822	.02	32	48
23-67-0303	6934070	1383247	10-67	1 305	22,850	3.55	811	17 17,090	3.64	622	2-70	35	833	-.06	21	39
31-01-0026	6641315	1308101	11-66	1 265	17,650	3.58	632	6 11,990	3.79	454	3-70	36	999	-.03	31	52
31-02-0007	6784083	1308101	1-67	1 305	18,690	3.54	661	5 17,150	3.59	615	4-69	36	730	-.03	22	37
31-03-0019	6371474	1355784	7-65	3 297	16,733	3.66	613	18 13,590	3.76	511	1-70	42	826	-.07	20	38
31-03-0019	6371479	1406271	6-65	3 305	16,686	3.72	620	17 13,786	3.73	514	12-69	42	749	.03	32	46
31-03-0020	6199776	1406271	11-64	3 293	16,760	3.49	585	12 13,586	3.55	482	11-69	42	778	.02	31	46
31-03-0020	6199779	1406271	12-64	3 305	16,233	3.79	616	9 13,480	3.60	485	10-69	42	728	.05	34	47
31-03-0028	5623585	1221761	3-62	3 305	19,263	3.96	762	26 16,737	3.82	640	1-69	42	585	.07	31	41
31-03-0028	6931551	1355784	5-67	1 288	22,390	3.54	792	51 14,470	3.66	530	11-69	35	1,114	-.07	29	53
31-03-0036	6152351	1181068	12-63	5 305	17,698	3.47	615	14 13,436	3.39	455	12-69	44	646	.00	24	37
31-03-0083	5886993	1406271	8-63	4 305	17,502	3.89	681	12 13,205	3.68	486	3-69	44	928	.06	43	60
31-03-0094	5312626	1371735	9-60	4 304	17,815	3.47	619	8 12,870	3.71	477	12-68	32	768	-.05	21	37
31-03-0095	6271576	1406271	11-64	3 305	20,183	3.35	676	30 15,146	3.59	544	10-69	42	1,010	-.01	35	55
31-03-0096	6670549	1406271	12-66	1 305	15,570	3.72	579	16 13,540	3.40	460	12-69	36	607	.06	30	41
31-03-0106	6016936	1221761	10-63	3 305	18,057	3.90	705	9 14,377	3.66	526	5-69	42	692	.08	36	48
31-03-0112	6302356	1406271	6-64	3 296	16,333	3.35	547	12 13,763	3.61	497	3-69	42	710	.00	25	39
31-03-0112	7097755	1406271	9-66	1 305	15,810	3.52	556	20 12,730	3.54	451	1-70	36	679	.03	29	42
31-03-0300	5962377	1406272	10-63	3 305	19,280	3.43	661	13 14,110	3.46	488	5-69	32	709	-.02	22	37
31-03-0330	6199320	1430162	11-64	3 305	18,796	3.51	660	30 14,270	3.73	532	12-69	41	662	.00	24	37
31-03-0330	6421462	1355784	9-65	2 305	17,625	3.94	694	31 13,390	3.73	499	1-69	40	907	-.03	28	47
31-03-0330	6869782	1406271	6-67	1 305	20,740	3.76	779	22 13,840	3.86	534	9-69	36	972	.03	40	58
31-03-0330	6915283	1406271	11-67	1 305	19,500	3.98	776	33 16,020	3.78	605	12-69	36	734	.06	35	48
31-03-0330	7059331	1406271	12-67	1 305	20,280	3.77	764	33 16,020	3.78	605	12-69	36	792	.04	34	49
31-03-0495	6406875	1406271	10-65	2 305	17,395	3.47	603	18 14,610	3.49	510	6-69	40	721	.02	29	43
31-03-0495	6538381	1406271	12-65	2 297	15,435	3.49	538	22 13,510	3.60	486	9-69	40	622	.02	25	37
31-03-0707	6582543	1406271	1-66	3 294	21,070	3.91	823	18 16,703	3.79	633	12-69	42	951	.06	43	60
31-03-9040	5838234	1271810	6-63	4 305	18,352	3.86	708	30 14,982	3.65	547	10-69	44	732	.00	26	41
31-03-9040	6111139	1406271	8-64	3 305	19,896	3.41	678	27 15,820	3.65	577	12-69	42	907	.00	32	50
31-03-9040	6179780	1406271	9-64	3 305	17,523	3.94	691	26 15,240	3.71	565	6-69	42	694	.06	34	46
31-03-9040	6595129	1406271	7-66	2 305	17,185	3.63	624	33 15,120	3.68	557	12-69	40	653	.02	27	39
31-03-9040	7114373	1406271	12-67	1 305	17,450	3.59	626	28 14,730	3.72	548	12-69	36	667	.02	27	40
31-03-9045	6007158	1406271	11-63	3 305	19,466	3.34	650	10 14,856	3.63	539	10-68	42	957	-.02	32	51
31-03-9045	6792500	10259958	11-64	3 305	19,513	3.97	775	11 14,343	3.55	509	7-69	41	594	.07	31	41
31-03-9070	5853678	1406271	2-63	3 303	17,490	4.60	805	23 15,623	3.58	560	12-68	42	651	.17	48	57
31-03-9070	5890217	1406271	3-63	5 304	17,912	3.39	608	18 15,062	3.49	526	10-69	44	783	.01	29	44
31-03-9070	6168748	1406271	4-64	4 304	20,197	3.38	682	8 13,710	3.46	474	1-70	44	1,205	.00	44	68
31-03-9070	6481630	1406271	11-65	2 296	17,360	3.77	655	16 15,575	3.60	561	1-69	40	629	.05	30	41
31-03-9070	6652314	1406271	7-66	1 305	19,110	3.57	682	19 15,190	3.61	548	12-68	36	760	.03	32	46
31-03-9070	6900865	1406271	7-67	1 305	18,930	3.30	625	12 14,580	3.55	517	12-69	36	788	.00	29	45
31-03-9084	5978999	1406271	12-63	4 305	18,902	4.43	837	37 15,955	3.60	575	11-69	44	796	.16	52	64
31-03-9084	6056383	1406271	3-64	4 301	20,717	3.34	691	52 15,625	3.67	573	10-69	44	1,056	-.03	34	56
31-03-9084	6346099	1406271	3-65	3 305	18,626	3.66	681	50 15,506	3.57	553	7-69	42	794	.04	35	50
31-03-9084	6346100	1406271	4-65	3 305	17,793	3.82	680	47 15,296	3.60	550	5-69	42	720	.06	35	48
31-03-9084	6510874	1406271	12-65	2 305	18,000	3.97	715	33 16,465	3.55	584	11-69	40	613	.08	34	44
31-03-9084	6801529	1406271	2-67	1 305	17,580	4.02	706	54 15,750	3.64	573	5-69	36	609	.07	32	42
31-03-9084	6952921	1406271	8-67	1 305	21,050	3.30	695	46 17,050	3.53	602	10-69	36	780	.01	29	44
31-03-9084	6952922	1406271	8-67	1 305	23,260	3.25	757	46 17,050	3.53	602	10-69	36	945	.00	34	53
31-03-9084	6952923	1406271	9-67	1 305	20,120	3.47	698	37 17,090	3.58	612	11-69	36	708	.02	28	42
31-03-9084	7074834	1406271	10-67	1 305	27,110	3.52	953	33 16,980	3.56	605	12-69	36	1,236	.02	48	72
31-03-9084	7074839	1406271	11-67	1 305	20,550	3.66	753	37 17,090	3.58	612	11-69	36	740	.04	33	47
31-03-9084	7074841	1406271	12-67	1 305	20,840	3.38	705	37 17,090	3.58	612	11-69	36	762	.01	29	44
31-03-9084	7094445	1406271	11-67	1 302	20,500											

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LBS) (%) (LBS)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVO C MO-YR O	.....C O W MILK (LBS)	I N O E X..... FAT FAT (%) (LBS)	DOL- LARS
31-04-9011	5752389	1138441	9-62	5 305 19,624 3.62 710	30 15,550 3.72 578	4-69	44	890	-.09 19 \$ 39
31-04-9011	5752391	1138441	10-62	5 295 19,294 3.64 703	32 15,480 3.71 575	1-69	44	855	-.09 18 37
31-04-9011	6104106	1434189	7-64	2 298 21,060 3.81 802	36 15,350 3.66 562	12-68	25	740	.03 31 45
31-05-9020	4642475	1228158	10-56	5 305 20,506 3.71 761	26 14,722 3.59 528	10-68	35	929	.04 40 57
31-05-9020	5869316	1403382	3-63	4 300 20,282 3.41 691	22 14,782 3.55 525	12-68	42	650	.03 28 40
31-06-0009	5776566	1389525	2-63	4 305 18,745 3.52 660	14 13,050 3.68 480	3-70	35	863	-.01 29 46
31-06-0016	6627652	1315578	9-66	2 305 18,665 3.49 652	22 15,785 3.60 568	1-70	40	520	.06 28 37
31-06-0016	6627664	1308101	9-66	2 305 19,205 3.43 659	28 15,415 3.65 562	12-69	40	956	-.04 28 48
31-06-0016	6779666	1315578	11-66	1 305 21,750 3.63 789	23 15,970 3.75 599	12-68	36	668	.07 35 46
31-06-0016	6779669	1464308	1-67	1 283 19,570 3.84 751	31 15,250 3.47 529	11-69	23	691	.03 29 42
31-06-0016	6882109	1308101	5-67	1 305 17,260 3.34 576	29 15,210 3.59 546	8-69	36	754	-.04 21 37
31-06-0016	6977488	1308101	9-67	1 298 17,770 3.48 619	33 15,290 3.50 535	10-69	36	787	-.02 25 41
31-06-0016	6993412	1464308	9-67	1 305 20,100 3.48 700	31 15,250 3.47 529	11-69	23	739	-.02 24 39
31-06-0032	6949958	1315578	11-67	1 305 21,180 4.14 876	8 18,890 3.92 741	12-69	36	430	.11 32 38
31-06-0036	6552128	1112211	5-62	4 305 20,860 3.67 765	10 16,130 3.75 605	1-69	44	984	-.03 31 51
31-06-0039	7252479	1308101	8-67	1 305 16,380 3.28 538	7 12,800 3.52 451	10-69	36	850	-.05 24 42
31-06-0056	6679230	1330987	9-66	2 305 19,585 3.55 696	12 16,485 3.51 578	2-70	40	664	.04 30 42
31-06-0056	6679231	1308101	9-66	2 305 20,365 3.44 700	18 16,910 3.57 603	9-69	40	937	-.04 28 48
31-06-0063	6606943	1308101	5-66	2 305 17,320 3.51 608	8 14,475 3.75 543	7-69	40	850	-.05 24 42
31-06-0063	6786143	1308101	12-66	2 305 21,305 3.42 729	12 16,745 3.65 611	3-70	40	1,048	-.05 30 52
31-06-0063	7059491	1308101	12-67	1 305 19,600 3.31 649	12 17,510 3.58 626	2-70	36	774	-.05 21 38
31-06-0070	6741000	1406271	12-66	1 305 18,090 4.00 723	16 15,150 3.83 581	2-69	36	687	.05 32 44
31-06-0070	6764054	1514327	12-66	2 301 22,860 3.55 812	21 15,970 3.69 589	1-70	25	898	-.02 30 48
31-06-0070	6969567	1308101	10-67	1 305 17,160 3.80 652	14 14,800 3.84 568	10-69	36	774	-.02 25 41
31-06-0105	6248048	1387910	8-64	3 295 16,676 3.56 593	14 12,810 3.63 465	10-69	32	710	-.01 24 38
31-06-0388	6766038	1182696	5-66	1 305 22,210 3.81 847	19 16,170 3.84 621	11-68	36	766	.02 31 46
31-06-0400	6714216	1308101	8-66	2 298 15,950 3.52 562	12 13,295 3.81 507	8-69	40	819	-.04 23 40
31-06-0450	6703604	1308101	6-66	2 301 16,870 3.67 619	21 15,225 3.74 570	1-70	40	736	-.02 23 38
31-06-0450	7100469	1308101	10-67	1 305 18,890 4.66 881	18 16,060 3.94 633	11-69	36	818	.06 38 53
31-06-0450	7344218	1315578	7-67	1 283 19,050 3.89 741	14 15,750 3.96 623	12-69	36	482	.09 30 37
31-06-0920	6816157	1271810	6-65	3 305 18,673 3.31 618	13 13,286 3.79 504	10-69	42	922	-.10 19 40
31-06-9002	6727929	1308101	10-66	2 305 21,595 3.53 763	20 16,300 3.70 603	1-70	40	1,118	-.04 35 58
31-06-9024	6502512	1308101	2-66	2 305 20,225 3.50 707	18 15,755 3.65 575	9-69	40	1,028	-.04 31 52
31-06-9024	6536250	1321904	1-66	2 305 22,055 3.50 771	18 16,045 3.70 593	12-69	40	841	-.04 25 43
31-06-9038	6410425	1308101	7-65	3 305 17,753 3.63 644	8 15,163 3.76 570	10-69	42	849	-.03 26 44
31-06-9050	5931973	1330987	8-63	3 305 19,610 4.41 865	18 15,180 3.89 590	7-69	42	836	.13 49 62
31-06-9050	6858531	1308101	8-67	1 305 22,540 3.76 847	27 15,830 4.06 642	9-69	36	1,106	-.03 35 58
31-06-9050	6858532	1308101	8-67	1 305 22,770 3.57 812	29 16,490 4.08 672	7-69	36	1,079	-.06 30 53
31-06-9050	6954053	1330987	9-67	1 302 21,630 3.66 791	30 17,230 3.95 681	12-69	36	697	.02 28 41
31-06-9800	4864618	1112211	3-59	8 300 19,338 3.09 598	35 15,035 3.50 526	1-70	44	937	-.10 19 40
31-06-9800	4864619	1112211	4-59	8 303 17,518 3.72 651	38 14,620 3.51 513	7-69	44	751	.01 28 43
31-06-9800	5770327	1408215	2-63	3 305 20,306 3.45 701	43 15,556 3.51 546	9-69	32	708	.00 25 39
31-06-9800	5770328	1340669	1-63	5 305 20,988 3.28 688	38 15,962 3.51 561	4-69	44	915	-.11 16 37
31-06-9800	5800578	1237057	1-63	4 305 18,180 3.84 699	40 14,785 3.51 519	12-69	44	709	.01 27 41
31-06-9800	5924244	1408215	9-63	3 305 21,846 3.34 729	42 15,546 3.54 551	7-69	32	919	-.03 28 47
31-06-9800	6077001	1199324	4-64	4 297 18,890 3.39 641	46 15,222 3.53 538	11-69	44	922	-.04 28 47
31-06-9800	6178840	1237057	8-64	3 305 18,530 3.72 690	45 14,793 3.56 527	10-68	42	726	-.01 24 39
31-06-9800	6178849	1294703	9-64	3 305 19,623 3.46 679	43 15,640 3.57 559	6-69	42	867	-.05 24 42
31-07-9012	6210910	1406271	10-64	2 305 16,950 3.78 641	11 14,980 3.72 558	4-69	40	642	.04 29 41
31-07-9012	6723840	1406271	8-66	1 305 17,080 3.74 638	15 14,390 3.79 546	7-69	36	663	.03 28 40
31-07-9012	6723841	1406271	11-66	1 305 16,240 3.83 622	17 14,600 3.75 547	8-69	36	586	.04 27 38
31-07-9390	6183337	1355784	7-64	4 305 19,677 3.28 646	20 14,910 3.76 561	8-69	43	1,059	-.13 19 43
31-07-9390	6183338	1406271	7-64	3 305 21,203 4.01 850	12 16,003 3.96 633	4-69	42	1,038	.06 46 65
31-07-9390	6183339	1406271	7-64	4 298 17,012 4.04 687	12 15,285 3.71 567	6-69	44	637	.08 34 45
31-08-0032	6608534	1308101	9-66	1 305 19,960 3.36 670	9 14,000 3.64 509	1-69	36	1,036	-.05 30 52
31-08-0032	6732361	1308101	1-67	1 305 19,420 3.61 701	9 14,210 3.62 515	3-69	36	982	-.02 32 52
31-08-0032	6938974	1315578	7-67	1 305 19,160 3.89 745	10 13,660 3.72 508	11-69	36	630	.10 38 48
31-09-0017	7071166	1406271	9-67	1 305 18,610 3.83 712	9 14,190 3.67 521	3-70	36	790	.05 36 50
31-09-0034	6247635	1319896	11-64	4 304 20,067 3.24 650	8 15,462 3.49 540	1-70	34	897	-.06 23 42
31-09-0520	6331528	1406271	1-65	3 305 16,416 3.61 593	51 12,853 3.52 453	12-69	42	814	.04 35 50
31-09-0520	6403766	1308101	8-65	3 300 15,993 3.86 618	20 14,216 3.66 521	11-69	42	745	.01 28 43
31-09-9005	6191834	1243697	2-64	3 305 22,387 3.71 830	10 15,243 3.71 565	8-69	42	743	.03 31 45
31-09-9005	6524632	1406271	2-66	2 300 17,700 4.32 764	12 15,665 3.75 587	6-69	40	655	.11 39 49
31-09-9024	6656386	1406271	7-66	2 305 16,120 3.36 542	24 12,905 3.56 460	11-69	40	747	.01 28 43
31-09-9024	6656388	1315578	8-66	2 305 15,640 3.82 598	26 13,410 3.53 473	1-70	40	430	.11 32 38
31-09-9051	6117095	1406271	3-64	3 305 16,803 3.83 643	14 14,080 3.64 513	11-68	42	732	.05 34 47
31-09-9051	6459510	1406271	12-65	1 305 16,830 3.82 643	18 12,670 3.77 478	9-68	36	759	.04 33 47
31-09-9480	5598548	1189870	4-62	4 264 23,583 3.29 777	14 16,748 3.77 631	2-70	44	1,096	-.08 28 52
31-10-0025	6162621	1371548	9-64	3 305 18,107 4.32 782	36 15,083 3.68 555	11-69	42	450	.10 31 37
31-10-0040	6384376	1182696	5-65	3 298 16,883 3.74 631	7 13,990 3.52 492	5-69	42	606	.04 28 39
31-10-0043	6613391	1315578	7-66	2 302 16,280 4.07 662	22 13,835 3.28 454	7-69	40	456	.16 40 45
31-10-0045	5573502	1182696	4-62	4 303 17,330 4.17 723	17 15,623 3.75 586	10-69	44	498	.08 30 38
31-10-0061	7046263	1320371	11-66	2 305 19,725 3.14 620	16 13,680 3.66 501	12-69	40	855	-.07 20 39
31-10-0150	4653279	1321354	2-58	9 305 23,674 3.21 759	9 15,952 3.40 543	6-69	32	1,256	-.07 35 62
31-10-0150	6369912	1182696	5-65	3 296 23,430 3.11 728	8 17,037 3.53 602	3-70	42	1,043	-.06 28 50
31-10-0150	7179897	1308101	5-67	1 305 21,120 3.38 714	8 16,390 3.38 554	1-70	36	962	-.02 31 51
31-10-0150	7204997	1308101	12-66	2 286 19,665 3.33 655	7 16,365 3.44 563	2-70	40	916	-.04 27 46
31-10-0720	5618009	1179372	8-60	6 289 18,405 3.60 663	15 14,355 3.62 519	12-68	44	733	.01 28 42
31-11-0098	6373273	1464563	9-65	2 305 20,550 3.71 763	36 14,175 3.70 524	11-68	29	837	.01 32 48
31-11-0098	6373282	1406271	7-65	3 305 18,213 3.33 607	43 13,833 3.62 501	9-69	42	919	-.01 31 50
31-11-0098	6373287	1406271	8-65	3 295 16,526 3.53 584	43 13,746 3.70 509	11-69	42	734	.01 28 42
31-11-0098	6609291	1468816	2-66	2 303 18,265 3.49 638	26 13,660 3.62 494	7-69	29	762	-.03 23 39
31-11-0098	6792228	1468816	1-67	1 305 20,070 3.14 631	26 12,350 3.66 452	8-69	23	909	-.08 21 41
31-11-0112	6834760	1406271	3-66	2 305 17,575 3.29 578	12 12,590 3.61 455	1-70	40	924	-.01 32 51
31-11-0578	6490782	1406271	10-65	2 305 22,715 3.25 738	9 14,800 3.65 540	7-69	40	1,243	-.03 40 65

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW 8CRN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HEROMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST T CALVO C MO-YR O	.....C O W MILK (LBS)	I N O E X..... FAT (%)	FAT (LBS)	..... OOL- LARS			
31-11-0578	6721754	1406271	9-66	2 305	18,455	3.36	620	7	14,825	3.67	544	10-69	40	809	-.01	28	\$ 44
31-11-0578	6721755	1406271	12-66	1 305	17,580	3.50	616	7	14,230	3.47	494	6-69	36	710	.03	30	43
31-11-0697	5557065	1199324	4-62	4 305	18,735	3.36	629	21	13,277	3.61	479	10-68	44	1,119	-.05	33	56
31-11-9139	6086631	1406271	3-64	2 305	22,105	4.42	978	5	16,915	3.71	627	4-70	40	988	.14	57	73
31-11-9139	6609303	1458744	6-66	2 305	18,965	3.35	636	6	16,610	3.58	594	11-69	40	791	-.04	23	40
31-11-9148	6497351	1470512	2-66	1 305	22,830	3.64	832	7	16,790	3.67	617	9-68	31	983	-.02	33	53
31-11-9476	6585819	1441439	5-66	2 305	19,735	3.93	776	30	15,870	3.90	619	11-69	29	588	.04	27	38
31-11-9476	6684387	1441439	9-66	2 305	19,795	3.97	786	20	16,015	3.89	623	3-70	29	579	.05	28	38
31-11-9476	6776187	1406271	2-67	1 305	22,350	3.82	853	28	16,850	4.00	674	1-70	36	890	.03	36	53
31-11-9731	6372554	1406271	2-65	3 305	18,260	3.61	659	25	14,576	3.67	535	12-69	42	848	.02	34	50
31-11-9731	6681263	1406271	9-65	2 305	16,780	3.80	637	19	14,840	3.69	547	1-70	40	637	.04	29	41
31-11-9731	6681264	1406271	11-65	1 305	18,830	3.80	715	25	13,070	3.68	481	9-68	36	881	.05	39	55
31-11-9731	6681265	1406271	1-66	1 305	18,750	3.09	580	13	14,230	3.53	502	1-69	36	798	-.01	27	43
31-11-9935	5313014	1221761	4-61	4 305	19,268	3.67	708	14	15,450	3.84	594	12-69	43	746	.02	30	44
31-11-9935	5765195	1370243	11-62	4 305	20,535	3.68	756	15	14,790	3.78	559	2-70	34	834	.01	31	47
31-11-9935	6521977	1406271	1-66	3 305	16,506	3.96	654	12	14,266	3.77	538	3-70	42	678	.06	33	45
31-11-9935	6521978	1406271	1-66	3 303	18,896	3.31	626	12	14,526	3.76	546	4-70	42	926	-.03	29	48
31-12-0081	6301470	1406271	2-65	3 305	17,050	4.13	705	11	13,353	3.68	491	3-70	42	835	.09	44	58
31-12-0086	6786293	1308101	7-66	2 305	16,520	3.81	630	7	14,730	3.69	544	3-70	40	746	-.01	26	41
31-12-0086	6817674	1315578	2-66	2 305	18,820	3.61	679	10	14,055	3.68	517	1-70	40	694	.07	36	48
31-12-0086	6817678	1308101	10-66	1 305	18,170	3.42	622	11	14,580	3.66	534	12-69	36	864	-.04	25	43
31-12-0308	4687169	1112211	10-58	9 299	18,363	3.65	671	13	14,909	3.70	552	11-68	44	826	-.03	26	43
31-12-0570	5340170	1112211	5-61	6 299	19,063	3.66	697	15	15,588	3.77	587	11-68	44	838	-.04	25	42
31-12-0570	5524184	1137421	7-61	6 305	19,565	3.65	715	11	15,553	3.74	581	10-69	43	661	.02	27	40
31-12-0570	6653211	1182696	8-66	2 305	18,955	3.96	751	13	16,085	3.66	588	2-70	40	595	.06	30	40
31-12-9735	5811887	1244845	2-63	3 295	20,493	3.51	719	8	15,503	3.72	576	10-68	8 42	812	-.06	21	39
31-12-9735	5935240	1244845	9-63	4 305	19,710	3.61	711	10	15,848	3.58	568	10-69	44	716	-.03	22	37
31-12-9735	6317380	1417208	7-64	3 305	18,100	4.14	750	14	15,956	3.62	578	9-69	42	665	.08	36	47
31-12-9735	6563115	1417208	7-64	3 305	21,940	3.53	775	14	15,900	3.60	573	9-69	42	1,112	-.01	39	61
31-13-0017	5691305	1340669	11-62	4 305	19,625	3.01	591	18	12,957	3.43	445	4-69	44	1,056	-.15	16	41
31-15-0029	5615544	1010936	8-61	5 305	22,054	3.72	820	12	17,262	3.74	645	11-69	44	837	.03	34	50
31-15-0029	6193941	1276654	10-64	4 305	21,053	3.84	808	19	17,620	3.66	645	1-70	44	607	.03	26	37
31-15-0042	6578269	1309887	11-65	3 305	17,830	3.52	627	10	15,020	3.77	567	12-69	42	648	.00	24	37
31-15-0077	5877552	1244009	8-63	3 305	20,960	3.48	730	17	15,747	3.66	576	10-69	42	1,043	-.06	28	50
31-15-0077	6138912	1244009	8-64	2 283	20,050	3.50	701	20	15,485	3.66	567	6-69	40	917	-.05	25	45
31-15-0093	6734036	1308101	12-66	2 294	22,820	3.59	820	12	18,040	3.65	658	11-69	40	1,083	-.03	35	57
31-15-0100	6442740	1315578	9-65	3 305	16,816	3.60	605	13	13,543	3.51	476	3-70	42	574	.08	33	42
31-15-0100	6442741	1315578	12-65	1 305	17,030	3.61	615	15	13,340	3.55	474	6-69	36	493	.09	31	39
31-15-0111	6285429	1393629	12-64	2 305	21,670	3.44	745	14	15,825	3.70	585	1-69	31	809	-.07	19	37
31-15-0111	6847609	1315578	10-65	2 305	24,255	3.82	926	16	15,655	3.65	572	11-69	40	1,059	.11	56	75
31-15-0111	7154671	1315578	10-67	1 305	23,190	3.51	814	16	16,030	3.67	589	11-69	36	771	.07	38	52
31-15-0124	6954502	1315578	11-67	1 305	19,860	3.99	792	20	16,200	3.65	591	11-69	36	512	.12	36	43
31-15-0520	5940424	1406271	9-63	1 305	18,590	3.75	697	11	15,640	3.66	573	1-70	36	691	.04	31	44
31-15-9071	6479578	1315578	10-65	2 305	18,595	3.71	689	13	15,490	3.65	565	6-69	40	540	.09	32	41
31-15-9086	6578303	1315578	3-66	3 305	19,993	3.96	792	7	14,830	3.76	557	3-70	42	806	.11	46	59
31-15-9504	6076505	1406271	5-64	3 305	19,663	3.85	758	25	17,373	3.67	637	1-69	42	720	.06	35	48
31-15-9504	6367065	1182696	8-65	3 305	21,183	3.92	830	13	16,630	3.68	612	9-69	42	827	.06	39	54
31-15-9504	6663559	1315578	8-66	1 305	21,630	3.74	808	25	17,190	3.77	648	12-68	36	577	.08	33	42
31-16-0043	6070875	1257240	4-64	3 305	19,733	3.59	709	17	12,550	3.63	455	2-70	41	812	.00	30	46
31-16-9125	6510877	1406271	2-66	1 305	19,570	3.67	718	19	16,070	3.45	555	5-69	36	735	.05	34	47
31-17-0021	6967925	1406271	2-67	1 305	17,020	3.26	555	12	12,720	3.47	441	10-69	36	770	.01	29	44
31-17-0500	5440409	1384165	7-61	6 298	18,637	3.51	654	39	14,093	3.65	515	11-68	34	768	-.04	22	38
31-17-0500	6895060	1406271	5-67	1 305	17,270	3.64	629	27	14,290	3.70	529	6-69	36	683	.03	29	42
31-17-0700	5991025	1406271	9-63	4 305	16,317	3.95	644	18	14,297	3.66	523	7-69	44	661	.07	34	45
31-17-0700	6363042	1271810	1-65	3 289	18,410	3.62	666	15	13,583	3.65	496	3-69	42	861	-.04	25	43
31-17-0750	5760318	1355784	10-62	5 304	21,822	3.16	690	13	16,796	3.37	566	7-69	44	1,140	-.11	25	50
31-17-0750	5952352	1271810	10-63	4 304	20,747	3.23	671	13	16,737	3.48	583	8-69	44	833	-.08	18	37
31-17-0750	5952355	1406271	12-63	4 303	20,542	3.16	650	13	17,050	3.43	584	1-69	44	876	-.02	28	46
31-17-0750	6365574	1271810	12-64	3 305	22,626	3.14	710	13	16,600	3.49	579	10-69	42	1,034	-.10	22	45
31-17-0850	6791393	1406271	10-66	1 305	16,540	3.78	625	11	13,020	3.76	490	11-68	36	714	.04	31	44
31-19-0039	4752774	1112211	9-58	9 305	17,256	3.55	612	17	13,889	3.64	506	8-69	44	802	-.03	24	41
31-19-0039	6536635	1321904	4-66	2 305	20,805	3.64	757	21	15,145	3.72	563	10-69	40	796	-.01	27	43
31-19-0039	6820303	1308101	3-67	1 305	17,090	3.84	656	20	15,280	3.77	576	8-69	36	737	-.01	25	40
31-19-0068	6685771	1315578	7-66	1 305	16,840	4.03	679	9	14,510	3.49	506	3-70	36	400	.13	33	38
31-19-0595	6621438	1406271	8-66	2 303	16,700	3.81	636	9	11,875	3.64	432	9-69	40	900	.05	40	57
31-19-9697	6891590	1308101	7-67	1 305	20,740	3.04	631	12	14,060	3.73	524	11-69	36	1,090	-.09	26	50
31-20-0014	6992810	1315578	9-67	1 305	17,230	3.95	681	11	14,630	3.55	520	11-69	36	421	.12	32	37
31-20-9026	7169932	1406271	11-67	1 305	17,240	3.72	642	28	13,630	3.72	507	2-70	36	725	.03	31	45
31-22-0006	5853680	1406271	3-63	4 305	18,795	3.62	680	28	16,580	3.50	581	4-69	44	713	.04	32	45
31-22-0006	6781877	1406271	9-66	1 305	21,250	3.25	691	20	16,330	3.52	575	6-69	36	843			

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION: RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8)	I N O E X..... FAT FAT (%) (L8)	OOL- LARS
31-23-0200	6888387	1308101	9-67	1 305 17,690 3.61 638	72 16,000 3.77 603	11-69	36	733 -.03 22	\$ 37
31-23-0200	7024190	1308101	1-68	1 305 20,240 3.60 729	44 16,540 3.69 611	2-70	36	887 -.03 28	46
31-24-0006	6698562	1308101	8-66	1 305 21,770 3.29 716	13 13,560 3.72 505	10-69	36	1,201 -.06 34	59
31-24-0016	5825203	1199324	12-62	1 305 19,170 3.89 745	8 14,970 3.84 575	6-69	36	831 -.01 29	46
31-26-0078	6245825	1406271	9-64	2 305 16,755 3.53 591	14 12,885 3.72 479	3-69	40	813 .01 31	47
31-26-0078	6245826	1406271	12-64	3 305 15,330 3.63 556	13 12,996 3.69 480	3-69	42	674 .03 28	41
31-26-0085	6851057	1308101	5-67	1 305 20,410 3.95 807	12 17,370 3.77 654	3-70	36	844 .00 31	48
31-26-0550	6771048	1308101	5-66	3 288 16,350 3.61 590	8 12,260 3.59 440	12-69	42	988 -.02 33	53
31-26-9075	6499973	1315578	1-66	2 305 17,915 4.02 720	23 15,440 3.67 566	4-69	40	475 .13 36	42
31-26-9075	6581690	1315578	5-66	2 305 19,905 4.03 803	15 14,715 3.69 543	9-69	40	743 .13 46	57
31-26-9075	6682027	1438758	8-66	1 305 21,190 3.99 846	24 15,760 3.72 587	11-69	35	847 -.04 25	43
31-26-9075	6886547	1315578	8-67	1 305 19,890 4.01 797	14 13,820 3.78 522	6-69	36	674 .11 41	52
31-27-0023	7003686	1308101	11-67	1 305 16,030 3.57 573	40 13,520 3.51 475	1-70	36	776 -.02 25	41
31-28-0002	6745679	1315578	9-66	2 305 18,965 3.83 727	18 16,020 3.75 600	1-70	40	529 .10 33	41
31-28-0003	6408065	1321904	12-65	2 305 18,480 3.43 634	14 13,175 3.59 473	8-69	40	740 -.03 22	37
31-28-0012	6950506	1308101	10-67	1 305 17,960 3.25 584	11 14,430 3.69 533	9-69	36	858 -.06 22	41
31-28-0012	6950507	1308101	11-67	1 305 17,080 3.72 635	11 15,080 3.57 539	11-69	36	749 -.01 26	41
31-28-0030	5061455	1121706	12-59	7 305 19,669 3.67 722	20 15,520 3.47 539	8-69	44	493 .13 36	43
31-28-0030	5195938	1138441	7-60	3 285 21,673 3.18 689	26 16,033 3.46 555	6-69	42	1,032 -.14 17	41
31-28-0030	6460366	1308101	10-65	2 305 20,110 3.60 724	23 15,400 3.48 536	7-69	40	1,049 -.01 37	58
31-28-0030	6661603	1261857	8-66	2 303 18,785 3.84 722	18 15,530 3.49 542	3-70	40	788 .10 43	56
31-28-0030	6826544	1261857	2-67	1 305 17,630 3.99 703	22 15,420 3.47 535	4-69	36	646 .11 39	49
31-28-0047	5946082	1282936	11-63	3 305 20,657 3.57 738	16 15,640 3.57 559	12-68	42	836 -.01 29	46
31-28-0047	6452783	1406271	11-65	2 305 15,485 4.48 693	9 13,935 3.59 500	3-70	40	588 .12 39	48
31-28-0047	6640097	1406271	8-66	1 305 20,030 3.55 711	9 13,820 3.55 491	3-69	36	921 .03 38	55
31-28-0047	6807966	1308101	10-66	1 305 20,420 3.56 727	10 14,250 3.85 548	9-69	36	1,054 -.04 32	54
31-28-0048	5853117	1137421	9-62	4 296 19,228 3.85 740	27 14,943 3.77 563	10-69	42	665 .05 31	43
31-28-0049	5979184	1216957	8-62	2 305 22,230 3.76 836	15 16,730 3.41 571	11-68	40	598 .07 32	42
31-28-0060	5467796	1300582	2-61	4 281 17,605 3.98 700	16 13,813 3.61 499	10-69	30	575 .07 31	41
31-28-0725	6807965	1308101	9-66	1 305 18,080 3.52 636	15 14,120 3.60 509	8-69	36	888 -.03 28	46
31-29-0660	6376575	1417208	6-65	3 296 18,420 3.65 672	18 14,943 3.67 548	1-70	42	806 .01 30	46
31-29-9029	6626401	1300855	3-66	2 305 19,545 3.61 705	23 13,860 3.70 513	1-70	30	731 -.01 25	40
31-29-9360	6412195	1458728	10-65	2 305 22,580 3.29 743	22 14,395 3.70 533	9-69	38	1,131 -.11 24	49
31-30-0780	6636652	1308101	2-66	3 301 19,630 3.60 706	5 15,943 3.71 591	3-70	42	984 -.03 31	51
31-31-0300	6776897	1308101	11-66	2 305 18,840 3.29 619	37 15,685 3.53 554	2-70	40	894 -.06 24	43
31-31-0300	6926978	1308101	8-67	1 305 18,630 3.65 680	44 14,620 3.56 521	10-69	36	896 -.02 30	48
31-32-9012	6817088	1406271	1-67	1 305 19,680 3.98 784	12 17,570 3.87 680	6-69	36	643 .05 30	42
31-32-9690	6464541	1406271	11-65	3 302 16,506 4.12 680	13 14,630 3.58 524	11-69	42	640 .10 37	47
31-32-9690	6993300	1406271	11-67	1 305 24,470 3.78 925	13 14,940 3.71 554	1-70	36	1,176 .04 49	71
31-32-9840	6671403	1413881	9-66	2 302 20,650 3.45 713	16 15,255 3.64 556	12-69	31	730 -.02 23	38
31-33-9026	6620085	1406271	7-66	2 302 19,040 3.24 617	22 16,510 3.50 578	9-69	40	714 -.01 25	39
31-33-9026	7166112	1321904	8-66	2 305 20,825 3.53 736	28 16,280 3.54 576	10-69	40	694 -.01 23	37
31-34-0004	5793998	1400635	1-63	4 305 17,750 3.66 649	11 13,618 3.47 472	9-69	33	684 .03 29	42
31-34-0012	6947977	1315578	7-67	1 305 18,410 3.31 609	30 14,190 3.42 486	12-69	36	539 .07 29	38
31-34-0023	5189422	1112211	7-59	5 305 19,490 3.59 700	6 14,972 3.61 541	5-69	44	964 -.03 31	51
31-34-0023	6912378	1308101	2-67	1 305 23,430 3.29 771	5 16,080 3.80 611	6-69	36	1,155 -.07 31	56
31-34-0023	6912382	1288534	12-66	1 305 27,030 3.20 864	8 17,830 3.63 648	2-69	35	872 -.05 24	43
31-34-9024	5707956	1393073	9-62	5 305 21,824 4.16 907	23 16,832 3.68 619	9-69	32	837 .12 48	62
31-35-0026	6663765	1308101	10-66	2 304 15,905 3.78 601	7 14,320 3.60 516	11-69	40	721 .00 26	40
31-35-0026	6663766	1308101	11-66	2 305 18,145 3.44 624	9 13,330 3.63 484	10-69	40	1,039 -.04 31	53
31-35-0550	6390406	1406271	7-65	3 302 16,926 4.11 695	10 14,693 3.71 545	9-69	42	682 .08 37	48
31-35-9024	5759754	1386191	1-63	5 305 17,928 3.85 691	13 15,594 3.81 594	2-70	41	598 .06 31	41
31-35-9024	5899794	1355784	8-63	5 305 20,528 3.48 715	16 16,542 3.77 624	2-70	44	1,001 -.10 21	43
31-35-9024	6504641	1406271	2-66	5 305 20,040 3.60 721	13 16,110 3.82 616	10-69	40	852 .01 32	49
31-36-0009	6831232	1315578	3-67	1 305 18,360 3.99 733	21 15,490 3.72 577	12-69	36	448 .11 32	38
31-36-0012	4894330	1312385	2-59	5 300 19,272 3.23 622	10 13,730 3.47 476	4-69	34	899 -.06 23	42
31-36-0056	6440990	1315578	8-65	3 305 18,000 4.06 730	8 14,300 3.76 537	12-69	42	631 .13 41	50
31-36-0063	6698901	1330987	2-66	2 305 15,115 3.69 558	10 12,760 3.50 446	8-69	40	551 .06 28	38
31-38-0061	7177927	1406271	1-67	1 305 18,180 4.05 737	14 14,280 3.60 514	4-69	36	752 .07 38	51
31-38-0076	6382240	1406271	4-65	3 305 16,543 3.40 563	13 13,360 3.32 443	3-70	42	776 .03 32	47
31-38-0076	6564652	1406271	6-65	2 305 17,970 2.94 529	15 12,585 3.35 422	9-69	40	964 -.03 30	50
31-38-0076	6876372	1406271	3-66	1 305 15,460 3.76 581	9 12,530 3.54 443	11-68	36	667 .05 31	43
31-38-0076	6964292	1406271	7-67	1 305 22,200 2.64 586	15 12,640 3.28 414	12-69	36	1,161 -.06 33	58
31-38-0079	6575895	1355784	8-65	3 303 18,656 3.09 577	18 14,920 3.41 509	10-69	42	911 -.11 16	37
31-38-0087	5484518	1199324	9-61	5 304 18,418 3.80 699	8 13,744 3.60 495	7-69	44	1,048 .01 40	60
31-38-0137	6587807	1406271	5-66	2 305 18,230 3.27 596	6 14,180 3.70 525	1-70	40	845 -.02 27	44
31-38-9035	4851812	1060259	1-59	7 303 20,444 3.68 752	12 14,293 3.58 511	12-68	44	1,126 -.01 39	62
31-39-0005	6562112	1406271	5-65	3 295 15,493 4.23 655	13 13,623 3.53 481	11-69	42	628 .11 39	49
31-39-0014	6100549	1406271	2-64	3 303 16,076 3.40 547	11 12,930 3.60 465	10-68	42	767 .00 28	43
31-39-0140	5847925	1355784	8-62	5 305 19,728 3.18 628	22 15,712 3.59 564	1-69	44	994 -.13 17	40
31-39-0140	6113644	1406271	7-64	4 296 19,425 3.53 686	22 15,727 3.55 558	1-70	44	886 .02 35	52
31-39-0140	6355789	1355784	3-65	3 305 20,186 3.26 658	24 15,013 3.74 561	9-69	42	1,079 -.13 20	45
31-39-0140	6593668	1406271	2-66	1 305 17,930 4.22 756	25 16,000 3.59 574	11-68	36	618 .09 35	45
31-39-0160	6832777	1406271	1-67	1 305 19,640 3.12 613	10 14,210 3.55 505	3-70	36	865 -.01 29	47
31-39-0160	6931676	1406271	6-67	1 305 16,500 3.49 576	8 14,090 3.64 513	12-69	36	639 .02 26	38
31-39-0280	6467359	1271810	8-65	3 305 18,976 3.59 681	13 14,736 3.62 533	11-69	42	807 -.04 23	40
31-39-0395	6175861	1284716	10-64	3 305 20,967 3.75 787	26 15,153 3.65 553	1-69	42	818 -.02 26	43
31-39-0395	6457795	1406271	10-65	3 305 20,276 3.36 681	20 15,283 3.62 554	1-70	42	1,006 -.02 34	54
31-39-0395	6699353	1406271	11-66	2 305 20,765 3.72 772	18 16,190 3.59 582	12-69	40	918 .05 40	57
31-39-0395	6699354	1406271	11-66	1 295 20,150 3.85 775	25 15,330 3.67 562	9-69	36	828 .06 38	53
31-39-0395	6699355	1406271	1-67	1 305 22,690 3.43 779	27 16,520 3.52 582	3-69	36	938 .02 37	55
31-39-0395	6785920	1406271	3-67	1 305 19,670 3.46 680	27 16,520 3.52 582	3-69	36	713 .02 29	43
31-39-0395	6879087	1406271	5-67	1 305 19,000 4.14 787	25 16,190 3.66 592	11-69	36	685 .08 36	48
31-39-0395	6879088	1406271	7-67	1 305 17,730 3.80 673	30 14,580 3.50 510	7-69	36	698 .05 33	46
31-39-0395	6879091	1355784	6-67	1 305 21,630 3.52 761	38 16,860 3.71 625	11-69	35	894 -.08 20	40

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (L8)	LAST CALVO MO-YR	.....C O W C REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	OOL- LARS		
31-39-0395	6884241	1406271	10-67	1 305	18,160	3.44	625	23	15,650	3.69	578	10-69	36	658	.01	25	\$ 38
31-39-0395	6884242	1406271	10-67	1 305	18,810	3.41	641	25	15,330	3.67	562	9-69	36	728	.01	28	42
31-39-0395	6984618	1406271	10-67	1 305	18,450	3.62	668	23	15,650	3.69	578	10-69	36	680	.03	29	42
31-39-0395	6984620	1406271	12-67	1 276	18,510	4.15	768	19	16,490	3.63	598	1-70	36	628	.08	35	45
31-39-0395	6997748	1406271	3-67	1 305	21,270	3.91	832	19	16,490	3.63	598	1-70	36	834	.06	39	54
31-39-0490	6037779	1406271	2-64	4 300	18,745	4.01	751	6	14,145	3.58	506	6-69	44	977	.09	49	66
31-41-0007	5634304	1182696	4-62	4 305	19,518	3.49	682	17	15,523	3.44	534	10-69	44	779	.01	30	45
31-41-0700	6691081	1308101	9-66	2 305	19,660	3.57	701	13	15,310	3.61	553	1-70	40	1,012	-.02	33	54
31-41-9675	6416992	1315578	9-65	1 299	20,610	3.45	712	21	16,340	3.29	537	9-68	36	558	.10	34	43
31-41-9675	6807253	1308101	2-67	1 305	18,090	3.28	594	7	14,930	3.50	522	7-69	36	835	-.04	24	42
31-42-0082	6802253	1406271	3-67	1 305	20,160	3.27	660	11	16,080	3.31	533	2-70	36	779	.02	31	46
31-42-0768	6962465	1458744	8-67	1 305	16,000	4.06	650	11	12,230	3.74	457	7-69	36	826	.02	33	49
31-42-9062	6083060	1380382	1-64	4 305	21,475	3.39	727	17	16,590	3.63	603	1-70	33	979	-.08	24	45
31-42-9062	6851247	1406271	2-67	1 305	21,000	3.32	698	23	16,730	3.75	628	7-69	36	798	-.01	27	43
31-42-9076	5562998	1370445	5-62	5 305	20,002	3.11	623	21	15,432	3.40	525	4-69	34	959	-.09	21	42
31-42-9076	5810441	1271810	11-62	4 299	19,247	3.24	623	39	14,177	3.53	501	10-68	44	932	-.08	21	42
31-42-9076	6343347	1406271	2-65	3 305	17,526	3.65	640	31	15,000	3.76	564	1-70	42	719	.02	29	43
31-42-9076	6372847	1406271	5-65	1 305	20,720	3.27	678	56	14,690	3.51	516	1-69	36	914	.00	33	51
31-42-9105	6483717	1406271	1-66	3 305	15,450	3.72	574	14	12,606	3.54	446	1-70	42	729	.05	33	46
31-42-9105	6590701	1406271	6-66	2 305	16,760	3.63	609	19	13,200	3.48	459	10-69	40	785	.05	35	49
31-42-9925	5429879	1375104	8-61	5 305	20,834	3.50	730	17	16,790	3.66	615	5-69	34	821	-.07	20	38
31-42-9925	6122132	1406271	8-64	3 286	18,080	3.56	644	35	15,990	3.65	584	11-68	42	681	.02	27	40
31-42-9925	6122133	1406271	8-64	4 302	20,255	3.62	734	29	16,432	3.65	599	2-70	44	910	.03	37	54
31-42-9925	6424829	1406271	12-65	2 289	18,865	4.08	769	44	15,045	3.76	565	9-69	40	830	.07	41	56
31-45-0045	6929353	1308101	8-67	1 305	18,010	3.66	660	12	15,400	3.75	578	1-70	36	797	-.03	25	41
31-45-0086	6762266	1315578	11-66	1 305	19,020	3.65	695	18	14,120	3.65	515	8-69	36	589	.09	34	44
31-45-9663	6901291	1464332	3-67	1 305	19,430	3.71	720	45	13,350	3.89	519	11-69	22	708	-.01	24	38
31-46-0010	6728038	1406271	10-66	2 305	19,835	4.15	824	24	15,130	3.67	555	1-70	40	921	.10	48	64
31-46-0030	5249485	1199324	12-60	3 305	15,506	4.12	639	31	13,613	3.77	513	9-68	42	678	.03	29	42
31-46-0042	6238303	1406271	9-64	3 305	17,303	4.01	693	47	14,636	3.57	523	9-69	42	732	.09	39	51
31-46-0042	6834219	1406271	1-67	1 303	15,350	4.11	631	82	13,800	3.47	479	9-69	36	573	.08	32	41
31-46-0042	6986423	1406271	9-67	1 305	15,340	3.82	586	90	13,800	3.46	477	10-69	36	572	.06	29	39
31-46-0112	6060009	1416669	2-64	3 305	19,556	4.54	887	6	14,356	3.52	505	10-69	34	728	.23	60	69
31-46-0135	6012320	1435913	9-63	3 305	17,107	3.25	556	15	11,307	3.52	398	11-68	29	789	-.05	21	38
31-46-0480	6359158	1406271	3-65	2 305	21,515	3.04	653	7	15,460	3.83	592	4-69	40	1,061	-.08	27	50
31-46-0480	6390675	1406271	9-65	2 305	22,275	3.74	833	15	15,130	3.75	567	2-70	40	1,169	.03	47	69
31-46-0630	5573005	1138441	5-61	4 305	21,693	3.43	745	15	16,663	3.68	613	6-69	43	1,002	-.11	19	42
31-46-0810	6427163	1406271	10-66	1 305	16,560	3.65	604	34	14,250	3.54	505	1-69	36	633	.04	29	40
31-46-0810	6643944	1406271	11-66	1 305	17,420	3.77	657	44	14,030	3.61	507	8-69	36	712	.04	32	45
31-46-9079	6224477	1329588	12-64	4 294	21,608	3.35	723	16	16,103	3.74	602	10-69	44	935	-.08	22	43
31-46-9130	5679640	1199324	10-62	5 305	18,120	3.29	596	19	14,850	3.71	551	2-69	44	881	-.07	21	40
31-46-9630	6795830	1406271	8-66	2 305	20,405	4.05	827	16	16,750	3.82	640	4-69	40	831	.07	40	55
31-46-9630	6843169	1406271	8-66	1 305	23,790	3.55	844	26	17,670	3.82	675	1-69	36	942	.01	35	53
31-47-0035	6225291	1261857	7-64	3 305	17,700	3.72	659	6	15,227	3.56	542	1-70	42	726	.08	38	50
31-47-0035	6859356	1261857	3-67	1 305	17,790	3.73	663	15	14,020	3.66	513	9-69	36	752	.07	37	50
31-47-0035	6893846	1261857	12-66	1 305	15,560	3.79	589	15	13,240	3.62	479	7-69	36	638	.08	34	45
31-47-0036	6999738	1406271	5-66	1 305	18,390	3.86	710	11	15,440	3.91	603	12-68	36	690	.03	30	43
31-47-0048	6008120	1355784	1-64	3 305	18,846	3.47	654	20	15,443	3.73	576	4-69	42	878	-.09	18	38
31-47-0064	7324069	1406271	2-68	1 305	15,960	3.75	598	23	14,010	3.63	509	3-70	36	605	.04	28	39
31-47-0080	6128147	1406271	8-64	3 305	15,646	3.63	568	12	13,476	3.44	464	5-69	42	661	.05	31	43
31-47-0252	6772546	1458744	9-66	2 305	26,185	2.91	762	13	16,445	3.45	568	3-70	40	1,539	-.11	38	71
31-47-0252	6910858	1458744	11-67	1 305	26,570	3.32	881	30	15,720	3.68	579	11-69	36	1,380	-.05	42	71
31-47-0432	5791683	1216909	1-63	5 305	21,504	3.12	670	18	14,416	3.59	517	2-70	44	839	-.06	22	40
31-47-0432	6659201	1406271	11-66	2 296	17,910	3.65	653	18	15,195	3.55	539	2-70	40	720	.04	32	45
31-47-0432	6775494	1272863	3-67	1 305	23,190	3.12	724	14	14,390	3.50	504	5-69	34	909	-.07	23	43
31-47-0816	6394393	1432656	2-65	3 304	21,596	3.31	714	37	15,496	3.45	534	8-69	32	896	-.04	27	46
31-47-0816	6394402	1406271	2-65	3 305	19,236	4.02	773	37	15,580	3.46	539	9-69	42	856	.11	47	61
31-47-0816	6394403	1406271	2-65	3 304	21,440	3.19	683	38	15,603	3.42	534	5-69	42	1,107	-.02	37	59
31-47-0816	6394404	1406271	4-65	3 305	17,880	3.23	578	33	15,090	3.51	530	8-69	42	751	-.01	25	40
31-47-0816	6740300	1406271	12-66	1 305	20,980	3.53	741	32	16,720	3.58	599	12-68	36	797	.03	33	48
31-47-0816	6971073	1406271	4-67	1 305	19,170	3.61	692	42	15,400	3.41	525	5-69	36	750	.05	34	48
31-47-0816	7324068	1406271	1-68	1 305	21,550	2.92	630	33	16,360	3.53	577	1-70	36	863	-.03	26	44
31-47-9004	6422936	1336050	9-65	2 305	18,075	3.89	704	31	14,770	3.84	567	6-69	40	774	.01	30	45
31-47-9054	5276450	1138441	1-61	6 303	18,153	3.89	707	15	14,617	3.55	519	1-70	44	808	-.02	26	43
31-47-9071	5770959	1382667	2-63	4 305	17,237	3.86	665	34	12,997	3.42	445	10-69	34	732	.04	33	46
31-47-9084	5537153	1199324	11-61	5 305	16,000	3.49	558	23	13,264	3.76	499	7-69	44	791	-.04	22	39
31-47-9084	6687345	1458744	12-66	2 305	18,670	3.70	691	35	14,585	3.74	546	3-70	40	946	-.01	33	52
31-47-9084	7070621	1458744	1-68	1 305	17,360	3.68	639	48	14,200	3.75	532	1-70	36	796	-.01	27	43
31-47-9150	6153300	1421094	9-64	3 305	19,793	3.25	643	24	13,350	3.63	485	10-69	33	1,025	-.09	24	47
31-47-9150	6511909	1406271	1-66	2 305	18,645	3.37	629	17	13,740	3.52	484	7-69	40	927	.00	34	

TABLE 3. HOLSTEIN USOA-OHIA HIGH BANKING COWS (CONTINUED)

COW'S LAST HERO CODE		..REGISTRATION... COW NUMBER		SIRE NUMBER		COW BORN MO-YR		..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)				..HEROMATE AVERAGES.. NO. MILK (L8)				FAT (%)				FAT (L8)				LAST CALVO MO-YR		T C REPT	C O W MILK (L8)		I N O E X..... FAT (%)		FAT (L8)		OOL- LARS	
31-47-9624	6925493	1301864	7-67	1	305	21,030	3.88	815	27	15,290	3.75	573	12-69	36	615	.03	27	\$	38																
31-49-0007	5123215	1312792	11-59	6	302	20,117	3.49	702	13	13,872	3.75	520	10-69	36	1,060	-.06	29	52																	
31-49-0007	5695441	1312792	8-61	6	293	21,077	3.09	652	8	13,453	3.82	514	2-69	36	1,260	-.15	22	51																	
31-49-0007	6802474	1406271	4-67	1	278	18,660	4.22	787	36	16,310	3.87	632	11-69	36	651	.07	34	45																	
31-49-9033	5566697	1318452	4-62	3	305	24,573	3.68	905	67	16,666	3.78	630	12-69	33	1,211	.00	43	67																	
31-49-9037	6286941	1416669	2-65	3	305	19,553	4.18	818	6	16,480	3.88	640	2-70	34	475	.12	35	41																	
31-49-9063	5367135	1176259	1-61	7	305	22,383	3.56	796	8	17,850	3.64	650	12-69	36	818	-.02	27	44																	
31-49-9070	6866299	1308101	8-67	1	298	19,590	3.59	703	33	17,010	3.84	654	10-69	36	807	-.04	23	40																	
31-49-9070	7035171	1308101	12-67	1	305	19,210	3.74	718	37	17,210	3.78	651	1-70	36	765	-.02	24	40																	
31-49-9071	5560249	1199324	1-62	2	305	23,650	3.78	893	27	17,015	3.66	622	11-69	40	1,185	.01	44	67																	
31-49-9071	6611298	1308101	9-66	2	298	21,260	3.72	791	23	17,730	3.70	656	1-70	40	953	-.01	33	52																	
31-51-0001	6244981	1406271	12-64	3	303	18,053	3.38	611	5	14,880	3.64	541	3-70	42	792	.00	28	44																	
31-51-0001	6797244	1406271	5-66	1	305	18,060	3.78	682	10	15,630	3.60	563	10-68	36	652	.05	31	43																	
31-51-0034	6334690	1237057	8-64	3	305	19,280	3.57	688	11	13,573	3.76	510	3-69	42	939	-.06	25	45																	
31-52-0056	6744916	1261857	12-66	2	299	15,125	3.89	588	11	11,945	3.62	432	2-70	40	744	.09	40	53																	
31-52-0064	5935774	1222994	10-62	5	300	18,500	3.71	687	25	15,342	3.59	551	1-69	44	706	.02	28	42																	
31-52-0064	7030785	1261857	10-66	2	299	16,450	4.10	674	34	14,160	3.76	532	9-69	40	676	.10	39	50																	
31-52-0064	7306792	1261857	10-67	1	305	16,460	3.78	622	32	14,300	3.82	546	10-69	36	634	.06	32	43																	
31-52-0064	7324698	1261857	8-67	1	305	15,980	3.85	616	33	14,040	3.81	535	8-69	36	616	.07	33	43																	
31-52-0076	5949691	1406271	10-63	4	287	16,792	3.53	592	17	13,992	3.72	520	3-69	44	753	.01	28	43																	
31-52-0089	6209482	1199324	3-64	4	305	18,452	2.98	549	12	15,127	3.52	533	1-70	44	879	-.10	17	37																	
31-52-0089	6559490	1199324	7-64	3	304	20,690	3.49	723	11	15,240	3.44	524	1-69	42	1,106	-.01	38	60																	
31-52-0100	6669924	1406271	12-66	2	298	15,280	3.63	554	5	13,530	3.67	497	12-69	40	605	.03	26	37																	
31-52-0488	5884090	1302422	9-63	3	305	20,883	3.21	670	19	14,733	3.45	509	11-68	42	798	-.01	27	43																	
31-52-0624	6769185	1261857	12-66	2	305	16,800	4.10	689	12	13,805	3.73	515	11-69	40	744	.11	43	55																	
31-52-0624	6769187	1261857	1-67	1	305	18,960	3.92	743	14	14,350	3.59	515	4-69	36	817	.09	43	57																	
31-52-0624	6769188	1261857	2-67	2	305	16,825	3.71	625	11	14,795	3.60	533	3-70	40	656	.07	34	45																	
31-52-0624	6981919	1261857	11-67	1	305	17,440	4.01	699	9	13,740	3.88	533	10-69	36	744	.08	39	52																	
31-52-9041	5828584	1271810	6-63	4	305	17,900	3.68	659	18	14,750	3.53	520	9-69	44	702	-.02	23	37																	
31-52-9041	6996759	1418927	12-67	1	305	21,500	3.49	750	13	14,430	3.71	535	3-70	35	671	-.01	23	37																	
31-52-9078	4323107	1221761	8-56	10	305	15,806	4.06	642	22	13,593	3.52	478	1-70	44	532	.11	35	43																	
31-52-9078	5696013	1386191	10-62	5	304	17,662	3.78	668	28	13,776	3.55	489	1-70	41	785	.09	41	54																	
31-52-9078	5951270	1271810	9-63	4	305	18,507	3.31	612	16	14,047	3.56	500	7-69	44	855	-.07	20	39																	
31-52-9078	5951275	1406271	9-63	4	305	18,790	3.79	712	13	14,090	3.53	498	7-69	44	989	.06	45	63																	
31-52-9078	5951277	1355784	11-63	4	305	17,507	3.30	577	26	13,607	3.59	489	12-69	43	935	-.10	19	40																	
31-52-9078	6937263	1406271	9-67	1	305	17,440	4.13	720	22	13,400	3.69	494	12-69	36	756	.07	38	51																	
31-52-9096	6377907	1406271	8-65	2	305	16,140	3.41	550	27	14,025	3.38	474	2-69	40	647	.03	27	39																	
31-52-9096	6496444	1355784	3-66	2	305	18,445	3.46	639	40	14,075	3.46	487	12-69	40	927	-.06	24	44																	
31-52-9650	6279237	1015348	10-64	3	305	20,327	3.63	738	47	14,957	3.69	552	1-70	41	969	-.02	32	52																	
31-52-9741	5571245	1179372	12-61	6	303	18,628	3.41	635	8	14,453	3.49	504	5-69	44	750	-.01	26	41																	
31-52-9741	6292820	1222994	9-64	4	300	19,575	3.57	698	19	14,683	3.53	518	11-69	44	898	.00	33	51																	
31-52-9741	6918425	1491000	10-67	1	305	19,370	3.23	626	14	14,010	3.70	519	12-69	26	921	-.09	20	40																	
31-52-9741	6953244	1261857	12-67	1	305	21,180	3.63	768	16	14,280	3.57	510	12-69	36	987	.07	46	64																	
31-54-0011	6508496	1182696	11-65	2	305	18,630	4.51	840	18	15,945	3.59	572	10-68	40	575	.14	41	49																	
31-54-0740	7005047	1308101	10-67	1	305	17,230	3.30	568	20	14,560	3.51	511	2-70	36	795	-.04	23	40																	
31-54-9002	6374228	1466239	6-65	3	304	23,453	3.77	885	17	17,913	3.56	638	1-70	29	846	.04	37	53																	
31-54-9002	6377545	1308101	9-65	2	295	19,675	3.85	757	17	16,275	3.51	571	11-69	40	925	.02	37	55																	
31-55-0050	6685082	1308101	8-66	2	301	22,985	3.26	749	13	15,930	3.64	580	9-69	40	1,293	-.08	35	63																	
31-55-0050	7060614	1392858	1-68	1	290	23,610	3.43	809	11	16,320	3.52	574	1-70	H 35	838	.02	33	49																	
31-55-0053	6959295	1308101	8-67	1	305	19,270	3.33	642	11	16,870	3.52	593	7-69	36	792	-.04	23	40																	
31-55-0285	6506427	1227684	8-64	3	305	23,557	3.55	836	5	16,767	3.63	608	3-69	42	858	-.03	27	45																	
31-55-9390	6122676	1404084	1-64	4	305	19,105	3.76	718	14	14,527	3.70	538	9-69	33	762	.02	31	46																	
31-56-0015	5264428	1113350	12-60	7	303	20,577	3.57																												

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8) FAT (%) FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8) FAT (%) FAT (L8)	LAST T CALVD C REPT MO-YR O (%)	.....C O W MILK (L8)	I N O E X..... FAT (%) FAT (L8)	DOL- LARS
31-67-0828	6675658	1315578	7-66	2 305 18,370 3.84 705	44 16,090 3.46 556	8-69 40	462	.13 35	\$ 41
31-67-9019	5641383	1199324	6-61	5 305 20,588 3.58 738	15 16,038 3.88 623	4-69 44	1,061	-.05 31	53
31-67-9031	4782448	1216722	10-58	6 305 18,841 3.77 711	37 14,018 3.68 516	2-70 36	762	.01 29	44
31-67-9031	6589789	1315578	5-66	2 301 17,720 3.58 634	39 13,090 3.73 488	5-69 40	670	.07 34	46
31-68-9047	5610965	1339588	2-62	5 305 20,230 3.68 745	5 16,462 3.54 582	10-68 35	658	.06 32	44
31-69-0300	6470766	1271810	10-65	2 305 19,075 3.40 648	15 13,940 3.57 497	1-69 40	842	-.06 21	39
31-70-0036	6220460	1284159	11-64	3 295 17,060 3.55 605	37 10,877 3.61 393	9-69 36	889	-.02 29	47
31-70-0036	6760625	1406271	3-67	1 305 18,290 3.52 643	45 9,670 3.69 357	11-69 36	1,069	.02 42	63
31-70-9036	6684035	1448553	9-66	1 305 17,920 3.66 655	77 11,930 3.65 435	4-69 32	660	.00 24	37
31-70-9036	6760624	1406271	12-66	1 305 17,650 3.55 626	81 12,290 3.60 443	3-69 36	846	.02 34	50
31-72-0048	6557970	1406271	4-66	2 305 17,905 3.31 593	9 14,775 3.50 517	7-69 40	757	.00 28	43
31-72-9019	5946404	1330987	9-63	4 299 17,203 3.29 566	17 13,640 3.64 496	10-69 44	742	-.01 25	40
31-72-9036	5354493	1138441	12-60	5 305 20,352 3.16 643	24 14,130 3.55 501	7-69 44	1,152	-.15 19	46
31-74-0044	5917500	1271810	10-63	4 303 17,547 3.85 676	22 13,902 3.71 516	11-68 44	752	-.01 26	41
31-74-0044	6471817	1406271	9-65	2 288 15,340 3.86 592	25 13,510 3.78 511	10-68 40	613	.04 28	39
31-74-0074	6767529	1406271	2-67	1 305 18,900 3.58 676	21 17,210 3.42 589	3-69 36	609	.04 28	39
31-74-9045	5922630	1237057	7-63	3 305 19,987 3.43 686	22 15,113 3.41 515	9-68 42	861	-.04 25	43
31-74-9045	6091059	1237057	5-64	4 305 24,430 3.39 827	26 16,523 3.43 566	1-70 44	1,288	-.06 38	65
31-75-0016	6497349	1175471	12-65	2 305 20,125 3.88 781	9 15,605 3.60 562	2-70 40	607	.08 33	43
31-75-0016	6786380	1315578	8-66	2 305 16,385 3.94 645	12 13,925 3.48 484	9-69 40	458	.13 35	41
31-75-0016	7102295	1308101	8-67	1 305 20,610 3.82 787	8 14,990 3.91 586	11-69 36	1,018	-.02 34	55
31-75-0017	6651824	1315578	8-66	2 305 20,655 3.35 691	15 13,295 3.42 455	10-69 40	949	.06 43	60
31-75-0052	6862360	1308101	3-67	1 305 18,250 2.85 520	13 13,600 3.38 459	7-69 36	936	-.08 22	43
31-75-0210	6018642	1406271	10-63	5 301 19,540 3.27 639	12 15,458 3.55 549	1-70 44	947	-.02 31	50
31-75-0210	6364116	1406271	4-65	3 304 18,593 3.69 687	7 15,230 3.65 556	5-69 42	818	.04 35	50
31-75-0385	5975693	1392858	10-63	5 302 19,226 3.95 759	24 16,412 3.48 571	3-70 43	631	.10 38	48
31-75-0560	6680558	1308101	10-66	2 305 18,025 3.13 565	18 16,195 3.27 530	12-69 40	765	-.04 21	37
31-75-0560	6882051	1308101	8-67	1 305 18,650 3.48 649	15 16,160 3.16 511	11-69 36	794	.00 29	45
31-75-9046	6359034	1112211	6-65	3 305 17,983 3.61 649	13 13,853 3.57 495	12-69 42	856	-.03 27	45
31-75-9056	4752777	1112211	11-58	5 304 19,768 3.54 700	15 15,104 3.49 527	6-69 44	985	-.02 32	52
31-75-9056	5527487	1368178	2-62	2 305 20,960 3.52 738	16 15,900 3.61 574	11-69 29	799	-.03 25	41
31-75-9056	6786581	1112211	12-66	1 305 20,950 3.34 700	16 16,180 3.58 580	2-69 36	793	-.06 20	37
31-75-9280	6657756	1315578	12-66	2 304 18,565 4.00 743	22 16,935 3.52 596	2-70 40	405	.14 35	40
31-75-9280	6859931	1308101	7-67	1 305 20,180 3.34 674	23 16,430 3.39 557	7-69 36	890	-.03 27	46
31-75-9280	7005095	1392858	3-68	1 305 19,320 3.72 719	12 16,090 3.47 558	3-70 35	526	.06 28	37
31-75-9665	6740542	1315578	1-67	2 305 18,150 4.19 760	23 15,720 3.84 604	1-70 40	473	.13 36	42
31-76-0058	6260832	1329588	11-64	4 302 18,428 3.35 618	27 13,575 3.68 499	10-69 44	823	-.07 20	38
31-76-0064	6339916	1406271	3-65	1 305 15,640 3.97 621	23 12,320 3.83 472	10-69 36	694	.05 32	45
31-76-0102	5795731	1148087	1-63	4 305 22,673 3.70 838	8 15,210 3.54 539	11-69 43	1,172	.00 42	65
31-76-0104	5373982	1324786	10-59	5 305 19,252 3.78 727	12 14,118 3.70 523	11-69 32	817	.02 33	49
31-76-0104	6376050	1406271	5-65	2 305 17,680 4.06 717	13 14,465 3.64 527	5-69 40	763	.08 39	52
31-76-0113	6181930	1406271	9-64	4 297 17,875 4.08 729	18 14,470 3.74 541	8-69 44	834	.08 42	57
31-76-0113	6181932	1406271	11-64	4 302 18,102 3.87 700	17 15,265 3.74 571	1-70 44	773	.06 36	50
31-76-0113	6253774	1406271	1-65	4 302 19,210 3.63 697	9 15,207 3.68 559	2-70 44	917	.03 37	55
31-76-0113	6456540	1406271	1-66	3 305 18,533 3.91 725	9 15,136 3.75 568	3-70 42	821	.06 38	53
31-76-0121	5755062	1199324	9-62	2 305 17,330 3.44 597	19 13,300 3.62 481	10-69 40	883	-.03 27	45
31-76-0121	6815579	1469815	10-66	1 305 18,400 3.89 716	11 12,650 3.57 451	7-69 24	682	.06 34	46
31-76-0122	6573945	1406271	10-65	1 305 19,530 3.39 662	16 13,580 3.58 486	5-69 36	899	.01 34	52
31-76-0131	6807254	1352979	2-67	2 303 21,150 3.44 728	8 15,730 3.62 570	4-70 40	846	-.07 20	39
31-76-0131	6867711	1308101	8-67	1 305 19,230 3.47 667	18 16,090 3.54 570	2-70 36	842	-.03 26	43
31-76-0706	5927805	1406271	11-63	4 304 19,620 3.60 706	50 15,362 3.71 570	1-69 44	950	.01 36	55
31-76-0706	6111076	1406271	12-63	3 305 17,900 3.49 624	32 15,116 3.68 556	6-69 42	750	.01 28	43
31-76-0706	6167015	1406271	5-64	3 305 19,426 3.51 682	46 15,390 3.69 568	1-69 42	898	.00 33	51
31-76-0706	6167021	1355784	10-64	3 305 17,833 3.74 667	63 15,003 3.72 558	11-69 42	806	-.05 21	38
31-76-0706	6724065	1406271	11-66	1 305 17,900 4.11 735	58 15,080 3.73 563	11-69 36	677	.07 35	47
31-76-0706	6724066	1406271	12-66	1 305 16,670 3.83 638	30 15,030 3.65 548	6-69 36	589	.05 28	39
31-76-0706	6779195	1406271	12-66	1 305 19,030 3.67 699	58 15,080 3.73 563	11-69 36	762	.03 32	46
31-76-9004	5956652	1271810	11-63	4 305 21,122 3.24 685	29 15,267 3.65 557	12-69 44	1,042	-.10 22	45
31-76-9015	6633707	1406271	1-66	1 305 19,610 4.03 791	10 15,190 3.77 572	2-70 36	797	.06 38	52
31-76-9015	6633709	1406271	5-66	1 305 17,380 3.76 653	23 14,800 3.73 552	3-69 36	657	.04 29	41
31-76-9015	6770625	1471338	8-66	2 305 18,060 3.82 689	13 14,035 3.74 525	1-70 28	705	.02 29	42
31-76-9015	7096240	1471338	5-67	1 305 18,960 3.74 709	13 14,250 3.71 529	1-70 22	664	.01 26	39
31-76-9015	7096242	1471338	7-67	1 305 18,050 4.11 741	13 14,250 3.71 529	1-70 22	581	.06 29	39
31-76-9044	5880121	010260599	9-63	2 305 22,585 3.44 778	13 13,975 3.79 529	10-69 40	1,119	-.10 26	51
31-76-9044	6171990	1406271	11-64	4 299 17,075 3.58 612	7 15,015 3.78 568	3-70 44	674	.00 25	38
31-76-9086	5362888	1138441	11-60	3 305 20,180 3.15 635	9 14,497 3.40 493	1-69 42	1,019	-.13 17	41
31-76-9089	6850375	1406271	5-67	1 305 20,170 3.34 674	23 15,280 3.53 539	3-69 36	833	.01 32	48
31-76-9090	5171272	1179372	8-60	4 305 22,010 3.65 803	11 14,870 3.71 551	12-68 44	1,102	.00 40	62
31-76-9090	5791093	1302422	12-62	4 305 18,835 3.64 686	12 14,778 3.64 538	10-69 43	586	.04 27	38
31-76-9091	6152502	1410081	10-64	3 305 20,460 3.50 717	12 14,846 3.81 565	9-69 32	777	-.05 21	38
31-76-9095	6484473	1406271	1-66	2 305 18,685 3.81 711	11 16,575 3.66 606	1-69 40	672	.05 32	44
31-76-9096	5198871	1138441	6-60	5 305 21,966 3.49 767	16 14,844 3.73 554	10-68 44	1,278	-.11 29	57
31-76-9150	5994605	1406271	12-63	4 305 20,880 3.95 825	25 14,185 3.59 509	7-69 44	1,237	.09 58	80
31-76-9150	6046230	1271810	1-64	4 305 20,102 3.28 659	38 15,360 3.57 548	1-70 44	906	-.09 20	40
31-76-9150	6583730	1261857	6-66	2 305 18,640 3.64 678	31 15,855 3.57 566	1-70 40	744	.07 37	50
31-76-9150	6691131	1406271	8-66	2 305 17,920 3.83 686	26 15,875 3.53 561	2-70 40	658	.06 33	44
31-76-9375	5665429	1386191	10-62	5 305 15,930 4.65 741	19 13,872 3.67 509	11-69 41	537	.20 48	54
31-76-9375	6296489	1406271	2-65	3 293 16,036 3.67 588	16 13,696 3.70 507	12-69 42	683	.03 29	42
31-76-9375	6485291	1406271	1-66	2 305 19,335 3.08 595	15 13,860 3.74 518	12-69 40	986	-.05 28	49
31-76-9375	6736456	1406271	10-66	1 305 16,650 3.51 584	11 13,680 3.63 497	6-69 36	678	.02 28	41
31-76-9688	6186602	1406271	7-64	4 305 16,627 3.42 569	12 14,537 3.65 530	12-69 44	672	.00 24	37
31-76-9688	6196619	1406271	1-65	3 299 16,263 3.98 647	12 14,463 3.65 528	12-69 42	630	.07 33	44
31-78-0037	6695823	1315578	11-66	2 304 20,150 3.87 780	10 16,005 3.79 607	11-69 40	650	.10 38	48
31-78-0056	6897592	1321904	9-67	1 305 19,740 3.80 750	8 14,110 3.72 525	11-69 35	647	.00 24	37
31-78-0066	5756795	1396768	9-62	3 305 20,287 3.83 776	27 14,853 3.67 545	12-69 42	812	.02 32	48

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	LAST CALVD MO-YR	T C O	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS	
31-78-0480	6884657	1308101	9-67	1 305	17,600	3.57	628	45 15,070	3.80	573	10-69	36	789	-.04	23	\$ 40
31-78-0612	6387902	1308101	7-65	3 304	16,526	3.53	583	17 13,493	3.68	497	2-70	42	881	-.04	26	44
31-78-0612	6808345	1308101	4-67	1 302	19,440	3.81	740	25 14,720	3.72	548	10-69	36	949	-.01	33	52
31-78-0612	6885436	1308101	8-67	1 305	16,390	3.71	608	24 14,790	3.80	562	1-70	36	717	-.03	22	37
31-78-0732	6795082	1308101	7-66	1 305	16,380	4.02	659	18 13,620	3.52	480	2-69	36	795	.02	31	46
31-78-0744	6845295	1406271	5-67	1 305	21,900	4.14	906	19 16,330	3.85	628	9-69	36	892	.07	43	59
31-78-0744	7041189	1406271	11-67	1 305	19,170	3.88	744	28 17,010	3.72	633	1-70	36	643	.05	30	42
31-78-0744	7098344	1392858	2-68	1 305	20,200	3.85	777	22 16,890	3.66	619	2-70	35	538	.06	28	37
31-78-0780	6730196	1315578	2-67	1 305	18,790	4.16	782	11 14,690	3.82	561	8-69	36	533	.12	37	45
31-78-0780	6924655	1308101	10-67	1 305	19,740	3.31	653	18 15,980	3.78	604	12-69	36	887	-.06	23	42
31-78-9068	6487090	1329588	10-65	3 294	21,400	3.31	708	14 15,740	3.57	562	11-69	42	905	-.06	23	43
31-78-9336	5844440	010259958	2-59	4 305	19,940	4.36	869	21 15,615	3.66	572	8-69	42	551	.13	39	47
31-79-0002	6416573	1308101	8-65	3 305	19,116	3.25	621	10 16,050	3.55	570	9-69	42	914	-.07	23	43
31-79-0006	6943978	1417208	9-67	1 296	20,250	3.59	727	16 16,010	3.71	594	1-70	36	766	.00	27	42
31-79-0022	4639401	1112211	1-58	7 274	19,273	3.44	663	33 16,451	3.48	573	1-69	44	765	-.04	22	38
31-79-0026	6589167	1406271	7-66	2 305	20,270	3.29	667	13 16,330	3.46	565	3-70	40	855	.00	31	48
31-79-0026	6589168	1406271	7-66	2 305	23,470	3.40	797	20 15,925	3.45	549	10-69	40	1,217	.01	45	69
31-79-0026	6626646	1406271	10-66	1 305	17,780	3.64	648	11 15,940	3.28	523	6-69	36	611	.06	31	42
31-79-0057	6625105	1406271	3-66	2 305	18,010	3.33	600	14 13,940	3.56	496	2-70	40	844	.00	30	47
31-79-0875	5779105	1227684	11-62	5 305	20,270	3.55	720	21 15,446	3.55	549	3-70	44	685	-.01	23	37
31-79-0875	6384762	1330987	5-65	3 305	19,097	3.51	670	22 16,477	3.51	578	11-69	42	643	.03	28	40
31-79-0875	6905866	1308101	7-67	1 305	17,990	3.39	609	21 16,380	3.45	565	11-69	36	730	-.03	22	37
31-79-9718	5902176	1189870	9-63	4 305	24,053	3.57	859	16 16,275	3.68	599	1-70	44	1,206	-.01	42	66
31-79-9718	6250921	1330987	9-64	3 301	20,803	3.17	659	19 16,920	3.61	611	3-69	42	794	-.04	23	40
31-80-0022	4955590	1312792	7-59	5 305	18,314	3.52	645	9 13,388	3.63	486	6-69	36	856	-.04	25	43
31-80-0054	6796442	1406271	6-66	2 305	15,405	3.91	603	5 13,210	3.73	493	1-70	40	647	.05	31	43
31-80-0054	6796445	1406271	11-66	1 305	16,650	3.68	612	6 13,300	3.74	497	12-68	36	704	.03	30	43
31-80-0056	6126830	1417208	7-64	1 305	19,340	3.58	692	10 14,370	3.58	515	6-69	36	808	.01	30	46
31-80-0061	5413881	1138441	10-61	6 290	19,117	3.94	754	5 15,300	3.68	563	2-70	44	853	-.03	26	44
31-80-0061	6795412	1360676	3-67	1 305	18,980	3.32	631	7 14,020	3.69	518	8-69	34	853	-.03	27	45
31-80-0061	6878466	1406271	9-67	1 273	17,680	3.74	661	10 15,600	3.65	570	1-70	36	626	.04	29	40
31-80-9049	3904646	1121726	4-54	6 305	21,173	4.00	846	14 15,943	3.96	631	10-68	36	886	.04	38	55
31-80-9049	5925961	1189870	7-63	4 304	19,138	4.16	797	17 16,395	3.94	646	1-69	44	586	.05	29	39
31-80-9049	6138547	1406271	7-64	2 305	18,260	4.04	737	21 15,465	3.90	603	10-69	40	730	.05	34	47
31-80-9049	6338639	1406271	5-65	3 305	21,066	4.00	843	18 14,936	3.94	588	10-69	42	1,133	.06	50	71
31-80-9053	5646071	1383247	9-62	5 305	23,068	3.33	769	11 16,732	3.68	615	5-69	43	1,190	-.11	26	52
31-80-9053	5704382	1383247	10-62	4 305	23,002	3.39	780	14 16,835	3.68	620	8-69	42	1,139	-.10	26	51
31-80-9053	5776847	1383247	2-63	4 305	21,357	3.55	759	13 16,627	3.70	615	9-68	42	956	-.07	24	45
31-80-9053	6809237	1315578	4-67	1 305	18,800	3.93	739	20 16,190	3.67	594	8-69	36	433	.11	32	38
31-80-9440	5761887	1221761	12-62	4 305	17,340	4.10	711	27 14,615	3.92	573	2-70	43	600	.08	33	43
31-80-9440	6396183	1406271	8-65	2 305	17,840	4.49	801	25 14,340	4.00	574	11-69	40	791	.10	44	57
31-80-9440	6450592	1406271	10-65	2 305	22,165	3.43	761	18 14,740	3.93	579	2-70	40	1,193	-.03	39	63
31-80-9440	6755551	1406271	1-67	1 305	18,300	3.68	674	21 15,180	3.95	599	11-69	36	700	.02	28	41
31-81-9004	6583288	1308101	2-66	2 305	16,705	3.90	651	6 14,995	3.65	548	7-69	40	740	.01	28	42
31-83-9026	5247858	1244845	11-60	3 305	21,140	3.43	725	38 16,400	3.57	586	1-70	42	794	-.05	21	38
31-83-9026	6249735	1426616	12-64	3 305	18,700	3.74	699	67 13,740	3.73	512	6-69	35	1,092	.02	43	64
31-83-9026	6412541	1410873	3-65	3 305	19,953	3.76	751	77 14,836	3.69	548	3-70	32	751	.01	29	44
31-83-9026	6535532	1244845	11-65	2 305	21,130	3.64	770	78 13,605	3.75	510	6-69	40	989	-.04	30	51
31-83-9026	6542686	1426616	12-65	2 305	18,800	3.63	682	70 14,490	3.69	535	5-69	32	971	.01	37	56
31-83-9026	6542689	1426616	3-66	2 305	24,090	3.60	868	90 15,180	3.72	564	1-70	32	1,508	.00	55	85
31-83-9026	6570075	1426616	6-65	2 305	21,990	4.47	984	59 14,190	3.69	523	3-69	32	1,369	.15	73	96
31-83-9026	6606365	1426616	10-65	2 305	16,290	4.25	693	78 14,455	3.72	538	7-69	32	686	.09	38	49
31-83-9026	6629583	1426616	8-66	2 305	21,550	3.79	817	84 15,525	3.72	578	1-70	32	1,180	.04	48	70
31-83-9026	6629585	1426616	9-66	2 305	23,415	3.66	856	65 15,400	3.71	572	3-70	32	1,408	.01	53	81
31-83-9026	6629586	1426616	10-66	2 305	21,360	3.48	744	85 15,405	3.73	574	12-69	32	1,171	-.01	40	64
31-83-9026	6931791	1450228	3-67	1 305	20,470	3.75	767	72 15,970	3.84	614	10-69	33	1,068	-.03	34	56
31-83-9026	6931793	1450228	5-67	1 305	18,650	3.81	710	97 16,470	3.83	630	12-69	33	889	-.03	28	46
31-83-9026	6931795	1450228	7-67	1 305	21,560	3.95	852	100 16,960	3.80	645	1-70	33	1,084	-.01	38	60
31-83-9026	6931798	1332302	4-67	1 305	24,650	3.49	860	80 16,540	3.81	631	11-69	24	786	-.04	22	39
31-83-9026	6931805	1426616	4-67	1 305	22,440	3.77	846	76 15,140	3.85	583	9-69	27	1,136	.02	44	66
31-83-9026	6931806	1426616	5-67	1 305	22,390	3.72	834	88 16,200	3.83	621	12-69	27	1,050	.01	40	60
31-83-9026	6931807	1426616	5-67	1 305	18,500	4.03	745	85 16,250	3.84	624	11-69	27	714	.04	32	45
31-83-9026	6931808	1426616	6-67	1 305	19,500	3.50	683	85 16,250	3.84	624	11-69	27	799	-.01	27	43
31-83-9026	6931810	1426616	7-67	1 305	20,840	4.26	888	67 16,080	3.79	610	2-70	27	927	.08	45	61
31-83-9026	6931812	1426616	7-67	1 305	23,200	3.54	822	48 16,190	3.80	616	3-70	27	1,120	-.01	39	61
31-83-9026	6931813	1426616	7-67	1 305	22,590	3.53	797	48 16,190	3.80	616	3-70	27	1,068	-.01	37	58
31-83-9026	6934123	1426616	7-67	1 305	18,930	3.81	721	48 16,190	3.80	616	3-70	27	755	.03	31	45
31-83-9026	6934124	1426616	8-67	1 305	19,030	3.71	706	67 16,080	3.79	610	2-70	27	772	.01	30	45
31-83-9026	6934125	1426616	8-67	1 305	20,940	3.65	764	67 16,080	3.79	610	2-70	27	936	.01	35	53
31-83-9026	6961593	1483410	5-67	1 290	24,700	3.54	874	103 16,970	3.81	647	1-70	19	763	-.03	23	39
31-83-9026	6961596	1426616	10-67	1 305	20,410	3.90	796	67 16,080	3.79	610	2-70	27	890	.04	38	55
31-83-9026	6961597	1426616	10-67	1 305	20,740</											

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES... FAT (%)	FAT (L8)	LAST T CALVD C REPT MO-YR O (%)	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS	
31-85-0173	6440787	1406271	5-65	2 305	17,460	3.52	614	18 14,990	3.42	512	4-69	40	693	.03	30	\$ 43
31-85-0182	6849710	1406271	7-66	2 305	16,410	3.47	569	10 13,590	3.97	539	3-70	40	714	-.02	23	38
31-85-0192	6514944	1406271	6-65	1 305	15,690	3.36	527	9 12,170	3.53	429	2-70	36	708	.02	28	42
31-85-0198	6548197	1406271	4-66	1 305	19,240	3.32	638	8 12,720	3.69	469	3-70	36	935	.00	34	52
31-85-0206	5921080	1410652	11-63	1 305	22,690	4.07	924	20 16,710	3.54	592	3-70	19	595	.08	33	43
31-85-0206	6845814	1406271	7-67	1 305	18,690	3.48	651	25 15,920	3.51	559	12-69	36	680	.03	29	42
31-85-0289	5304820	1199324	3-61	6 302	19,271	3.65	703	13 14,278	3.54	505	7-69	44	1,096	.00	40	62
31-85-0374	6658798	1406271	12-64	4 304	18,972	3.54	671	21 15,982	3.72	594	12-69	44	801	.00	29	45
31-85-0374	6768604	1453610	4-65	3 302	19,220	4.02	773	23 15,530	3.81	591	11-69	29	549	.05	27	37
31-85-0374	6819787	1406271	4-65	3 305	17,986	3.68	661	21 15,516	3.77	585	12-69	42	719	.02	29	43
31-85-0442	5932248	1199324	11-63	5 299	16,246	3.51	570	7 12,864	3.59	462	3-70	44	870	-.02	28	46
31-85-0561	6117537	1406271	2-64	4 300	18,395	3.94	725	22 15,022	3.49	524	10-69	44	837	.09	44	58
31-85-0561	6117538	1406271	3-64	3 305	18,900	3.76	710	15 15,336	3.57	548	2-69	42	843	.05	38	53
31-85-0595	5957950	1222994	11-63	4 304	19,073	3.72	710	14 14,638	3.68	538	8-69	44	841	.01	32	48
31-85-0816	6458198	1406271	11-65	2 305	17,145	3.76	644	38 13,500	3.79	512	9-69	40	797	.03	33	48
31-85-0816	6458199	1406271	12-65	2 302	15,340	4.10	629	22 13,525	3.79	512	5-69	40	611	.07	32	42
31-85-0816	6513950	1406271	1-66	2 305	16,360	3.29	539	28 13,430	3.79	509	7-69	40	723	-.02	23	38
31-85-0816	6743533	1406271	4-66	2 305	17,310	3.76	650	38 14,320	3.73	534	12-69	40	739	.04	32	46
31-85-0900	5407063	1138441	5-61	6 305	21,223	3.58	759	21 16,073	3.63	583	12-69	44	1,037	-.08	25	48
31-85-0900	5629026	1222994	6-62	3 305	21,853	3.64	796	22 16,230	3.63	589	3-69	42	964	.00	35	54
31-85-0900	6343352	1406271	5-65	2 305	20,435	4.34	886	20 15,905	3.72	592	7-69	40	911	.12	51	66
31-85-9102	6384691	1406271	6-65	3 305	16,130	3.53	570	15 12,840	3.67	471	3-70	42	782	.01	30	45
31-85-9103	5883240	1366914	11-62	5 302	21,510	3.12	671	7 15,082	3.55	535	6-69	38	1,057	-.13	19	43
31-85-9103	6108429	1406271	6-64	4 304	16,635	4.06	676	14 14,190	3.59	510	11-69	44	712	.09	39	51
31-85-9103	6195828	1406271	12-64	3 305	17,543	3.41	598	7 15,923	3.46	551	6-69	42	626	.02	25	37
31-85-9103	6316495	1406271	4-65	3 297	16,040	4.43	710	14 13,953	3.52	491	11-69	42	657	.14	44	54
31-85-9103	6524606	1406271	12-65	2 305	20,840	3.31	689	12 14,570	3.46	504	2-69	40	1,074	.00	39	60
31-85-9103	6524607	1406271	12-65	3 294	18,250	3.59	655	15 14,193	3.52	499	12-69	42	886	.03	37	54
31-85-9103	6580250	1406271	7-66	2 302	17,110	4.20	719	16 13,875	3.58	497	11-69	40	759	.10	42	55
31-85-9103	6580251	1406271	7-66	2 305	17,525	3.87	679	14 13,765	3.63	499	9-69	40	811	.06	38	53
31-85-9103	6794087	1406271	3-67	1 304	16,630	3.52	586	14 14,070	3.60	507	8-69	36	650	.02	27	39
31-85-9106	6295710	1406271	1-65	3 305	16,533	3.84	635	18 14,496	3.43	497	8-69	42	657	.08	35	46
31-85-9107	6851409	1276554	1-66	2 305	21,125	3.62	764	6 15,840	3.59	568	10-69	40	701	.00	25	39
31-85-9110	6314565	1406271	3-65	3 302	18,513	3.42	633	7 15,770	3.61	570	5-69	42	753	.00	27	42
31-85-9118	6164188	1406271	10-64	4 305	20,245	3.97	803	8 12,222	3.94	482	11-69	44	1,376	.05	58	84
31-85-9118	6422339	1406271	11-65	3 298	16,696	3.87	646	6 13,416	4.10	550	2-70	42	788	.02	31	46
31-85-9118	6696777	1406271	12-66	1 305	17,510	3.40	596	7 11,100	4.17	463	10-68	36	915	-.01	31	49
31-85-9121	5118496	1292815	10-59	6 305	20,243	3.77	763	13 15,960	3.57	570	11-68	35	734	.04	32	46
31-85-9121	5330906	1179372	12-60	7 302	19,839	3.75	743	15 16,319	3.65	596	12-69	44	690	.03	29	42
31-85-9139	6027668	1329588	11-63	4 300	21,850	3.35	732	7 15,803	3.65	577	3-69	44	998	-.07	26	47
31-85-9140	5713920	1199324	9-62	6 305	18,468	3.75	692	14 15,621	3.71	580	3-70	44	836	.00	30	47
31-85-9145	5246332	1352159	8-60	6 302	22,733	3.07	698	19 14,962	3.48	520	5-69	32	1,248	-.11	29	56
31-85-9145	6641526	1261857	10-66	2 305	20,880	3.88	810	20 15,695	3.61	566	1-70	40	986	.10	50	67
31-85-9151	5506412	1360247	10-61	5 304	18,848	3.52	664	11 15,612	3.44	537	5-69	34	663	.00	24	37
31-85-9151	6216301	1386406	11-64	4 305	19,725	3.33	657	11 16,580	3.43	568	4-70	44	713	-.01	24	38
31-85-9151	6216303	1406271	11-64	4 304	19,247	3.79	729	13 16,977	3.32	563	2-70	44	725	.09	40	52
31-85-9174	6094773	1199324	2-64	4 299	16,760	3.19	535	19 12,455	3.64	453	8-69	44	967	-.07	24	45
31-85-9183	6607168	1276654	3-66	2 305	20,255	3.74	758	5 15,240	3.56	543	3-69	40	667	.01	26	39
31-85-9183	6818791	1261857	1-67	1 305	17,010	3.36	571	12 14,580	3.59	523	12-68	36	656	.04	30	42
31-85-9187	5551082	1271810	12-61	5 305	19,176	3.45	662	24 14,240	3.62	516	12-68	44	939	-.07	24	44
31-85-9187	6623733	842876	8-66	2 305	20,605	3.52	725	27 16,175	3.70	598	1-70	40	803	-.05	21	38
31-85-9238	5966998	1271810	7-63	4 305	20,075	3.29	660	9 16,195	3.32	538	6-69	44	810	-.06	21	38
31-85-9238	5966999	1355784	11-63	4 305	20,600	3.00	617	9 16,635	3.34	556	6-69	43	981	-.13	16	39
31-85-9272	6215221	1406271	11-64	3 305	18,783	3.35	630	12 14,576	3.52	513	5-69	42	908	.00	33	51
31-85-9272	6307502	1406271	3-65	3 305	16,713	3.55	594	9 14,590	3.52	513	8-69	42	668	.03	29	41
31-85-9459	6341991	1386406	2-65	2 305	22,815	3.36	766	16 17,250	3.46	596	12-68	40	908	-.01	31	49
31-85-9459	6604631	1386406	3-66	2 305	19,225	3.51	675	15 16,090	3.51	565	10-69	40	649	.01	25	38
31-85-9748	6367229	1271810	1-65	2 305	18,540	3.67	681	32 13,200	3.70	489	4-69	40	856	-.04	25	43
31-85-9748	6724037	1406271	10-66	1 305	17,810	3.34	594	49 14,040	3.67	515	11-68	36	740	.00	27	42
31-85-9890	6307086	1244009	11-64	4 302	18,903	3.19	603	29 14,055	3.44	484	10-69	44	1,013	-.08	24	46
31-85-9890	6429153	1453518	10-65	2 305	19,975	3.25	649	24 14,660	3.45	506	3-69	29	749	-.03	22	38
31-86-0014	6884246	1330987	4-67	1 305	18,870	3.87	731	16 16,820	3.48	585	1-70	36	519	.08	30	38
31-86-0020	5932077	1244009	11-63	4 266	21,325	3.54	754	16 15,138	3.66	554	12-69	44	1,192	-.05	35	60
31-86-0400	6661554	1390540	12-66	2 305	22,000	3.50	770	81 16,505	3.66	604	1-70	34	716	.06	34	47
31-86-0400	6809494	1406271	5-66	2 303	17,000	3.55	604	21 15,225	3.65	556	6-69	40	624	.02	25	37
31-86-0700	5953751	1302422	11-63	4 305	20,608	3.25	670	16 15,100	3.68	555	5-69	43	771	-.03	23	39
31-86-0700	6351392	1271810	6-64	3 305	20,090	3.52	708	12 15,276	3.57	545	2-69	42	879	-.05	25	44
31-86-9021	6528401	1406271	2-66	2 305	18,290	3.47	634	10 14,290	3.62	518	8-69	40	841	.01	32	48
31-86-9021	6591198	1406271	5-66	2 305	18,925	3.08	583	10 14,505	3.65	529	11-69	40	886	-.04	26	45
31-86-9038	4871206	1112211	10-58	7 305	17,594	3.60	634	9 14,426	3.54	510	2-69	44	783	-.02	26	42
31-86-9038	6444117	1406271	10-65	3 303	16,560	3.32	550	27 14,296	3.51	502	9-69	42	681	.00	25	38
31-86-9038	6865763	1355784	4-66	2 305	18,035	3.32	598	23 14,0								

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COV'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS		
31-88-0630	6436599	1302422	9-65	3 305	18,607	4.45	828	30	15,677	3.77	591	1-70	42	434	.15	37	\$ 42
31-88-9008	6122685	1406271	8-64	3 305	19,480	3.31	645	16	15,853	3.52	558	4-69	42	856	-.01	30	47
32-01-0043	6652510	1368109	10-66	2 304	20,760	3.57	742	28	14,820	3.67	544	10-69	40	728	-.02	23	38
32-01-0045	4974962	1060259	8-59	5 305	18,502	3.61	667	17	14,480	3.73	540	9-68	44	854	-.04	25	43
32-01-0046	1070974	1040096	10-59	6 300	21,370	3.64	777	27	15,678	3.69	578	6-69	44	966	-.03	31	51
32-01-0046	6053526	1294703	12-63	4 305	18,893	3.60	681	25	15,195	3.71	563	7-69	43	850	-.05	24	42
32-01-0048	6788066	1406271	1-66	1 305	26,690	3.98	1061	26	17,780	3.71	660	2-69	36	1,151	.07	52	73
32-01-0048	6858438	1406271	3-67	1 305	18,960	4.03	764	17	15,730	3.97	625	7-69	36	713	.04	32	45
32-01-0048	7071638	1508339	1-68	1 305	28,640	3.49	999	25	19,020	3.69	702	2-70	19	962	-.03	30	50
32-01-0048	7071640	1508339	1-68	1 305	27,810	3.74	1039	29	19,140	3.67	703	1-70	19	873	.02	34	51
32-01-0321	6265075	1222994	8-64	4 305	17,970	4.33	778	19	15,865	3.68	584	8-69	44	568	.10	35	44
32-01-0760	6547204	1271075	9-65	2 305	18,040	3.88	700	15	14,725	3.62	533	4-69	40	780	.03	33	48
32-01-0761	6799820	1383311	10-66	2 302	19,760	3.90	770	15	15,480	3.68	570	1-70	40	680	.01	26	39
32-01-9101	6715796	1315578	11-66	2 300	20,130	4.14	834	14	15,100	3.77	570	2-70	40	731	.14	47	58
32-01-9485	6243801	1237057	11-64	3 305	22,393	3.26	730	13	15,987	3.72	594	11-69	42	1,047	-.11	21	45
32-01-9901	6224883	1294703	3-64	3 303	20,687	3.47	718	18	14,237	3.60	512	10-69	42	1,138	-.05	33	57
32-02-0410	5578756	1010936	4-62	3 305	17,953	3.78	678	10	13,583	3.87	525	6-69	42	681	.02	28	41
32-02-0766	6844496	1458744	6-67	1 305	17,720	4.25	753	20	13,950	3.87	540	7-69	36	839	.03	35	51
32-03-0241	6280035	1432187	2-65	3 305	20,070	3.70	743	14	15,996	3.63	581	3-70	36	645	.01	25	37
32-03-0320	6543241	1351913	9-65	1 300	22,250	2.92	649	15	15,650	3.49	546	12-69	24	988	-.12	18	41
32-04-0760	6499888	1199324	12-65	2 305	16,490	4.20	692	32	14,815	3.94	584	4-69	40	659	.02	27	40
32-05-9651	4867433	1087974	8-58	4 296	18,905	3.53	667	14	15,643	3.59	561	5-69	44	764	-.01	26	41
32-06-0046	6778082	1332076	10-66	1 26	24,090	3.67	885	13	15,280	3.60	550	11-68	8 33	879	.04	37	54
32-06-0903	5675534	1237057	6-62	3 305	18,833	3.47	653	11	13,453	3.59	483	6-69	42	900	-.06	24	43
32-06-0903	6687397	1417790	7-66	1 305	22,390	3.70	828	10	15,310	3.57	547	5-69	24	769	.01	29	44
32-09-0101	6207959	1371840	8-64	3 298	20,420	3.34	683	12	14,750	3.48	513	2-70	33	890	-.06	23	42
32-09-0101	6751069	1406271	8-66	1 305	19,210	3.82	733	12	12,940	3.71	480	10-68	36	918	.05	40	57
32-09-0162	6054234	1425205	2-64	3 305	25,337	3.60	912	15	16,567	3.43	568	7-69	29	1,287	.02	50	75
32-09-0539	5770270	1374490	10-62	6 295	21,628	3.65	790	12	16,473	3.39	558	7-69	35	965	.05	42	60
32-09-0591	5360004	1244845	11-60	5 305	18,350	3.51	644	14	13,692	3.78	517	12-69	44	810	-.06	20	38
32-09-0712	6120729	1199324	1-64	4 305	18,565	3.84	713	20	15,205	3.73	567	12-69	44	884	.01	34	51
32-09-0712	6255934	1417208	9-64	3 305	18,846	3.71	700	26	16,623	3.60	598	5-69	42	681	.02	28	41
32-09-0712	6255936	1199324	10-64	3 305	18,686	3.51	656	23	16,733	3.60	602	4-69	42	721	-.03	22	37
32-09-0712	6438084	1417208	7-65	3 295	17,656	4.04	714	21	15,090	3.72	561	11-69	42	703	.06	34	46
32-09-0712	6635189	1458744	6-66	2 305	17,500	3.63	635	26	15,790	3.71	586	1-70	40	717	-.01	24	39
32-09-0712	6753203	1481287	3-67	2 305	19,440	3.77	733	15	15,740	3.61	568	4-70	30	716	.01	28	42
32-09-0714	6512293	1417208	11-65	2 305	19,485	3.92	764	24	17,830	3.74	666	12-69	40	616	.03	27	38
32-09-0714	6756561	1481287	2-67	2 305	22,395	3.59	805	13	18,645	3.75	699	4-70	30	756	-.03	23	39
32-09-0761	6786850	1330987	11-66	1 305	16,620	3.67	610	14	13,400	3.82	512	8-69	36	581	.03	26	37
32-09-9042	6315924	1329588	12-64	3 305	21,793	3.18	693	12	16,350	3.65	597	3-70	42	887	-.09	18	38
32-09-9042	6392245	1417208	10-65	3 300	20,203	3.46	699	14	16,453	3.70	609	10-69	42	855	-.03	27	45
32-09-9042	6693275	1458744	10-66	2 305	19,110	3.79	724	11	16,905	3.70	626	12-69	40	779	.01	29	44
32-10-9160	5044570	1192713	9-59	8 304	20,271	3.64	738	43	13,968	3.59	502	12-69	44	1,153	.00	42	65
32-10-9160	5519989	1328954	12-61	5 305	17,210	4.13	710	33	14,178	3.58	508	2-69	35	534	.10	34	42
32-10-9160	6771099	1261857	10-66	1 305	16,240	3.31	538	63	12,990	3.42	444	8-69	36	705	.05	33	46
32-10-9160	7359383	1458744	8-67	1 305	17,910	3.28	587	44	12,910	3.34	431	6-69	36	923	-.02	30	49
32-10-9210	6088763	1329588	1-64	4 305	20,590	3.85	792	22	13,735	3.84	528	11-69	44	1,072	.00	39	60
32-10-9651	5738110	1199324	11-62	6 304	17,098	3.80	649	16	14,143	3.75	530	1-70	44	831	.00	30	46
32-10-9651	6049509	1199324	11-63	4 305	17,275	3.81	658	18	14,775	3.70	547	9-69	44	772	.01	29	44
32-10-9651	6859087	1261857	8-67	1 305	17,610	3.96	698	14	15,730	3.73	586	1-70	36	624	.09	35	45
32-10-9651	6981482	1261857	9-67	1 305	18,330	3.57	655	9	15,110	3.85	582	2-70	36	719	.04	32	45
32-10-9764	5427890	1282513	2-61	6 301	18,237	4.37	797	13	15,888	3.59	570	3-69	39	406	.20	43	46
32-10-9764	6046380	1373793	10-63	4 305	20,122	3.80	764	31	15,502	3.67	569	5-69	35	835	.05	37	52
32-10-9764	6080321	1244009	2-64	3 305	19,647	3.89	765	24	15,927	3.64	579	11-68	42	873	.00	32	49
32-18-0410	5572519	1328260	4-62	6 303	17,823	3.42	609	9	12,643	3.58	452	1-70	39	737	-.04	21	37
32-18-9281	5488799	1352991	11-61	5 305	18,704	3.71	694	14	14,816	3.79	561	10-69	40	1,074	-.04	32	54
32-18-9281	5705855	1352991	7-62	4 305	18,515	3.69	683	14	14,610	3.78	552	2-69	39	1,058	-.05	30	52
32-18-9281	6464868	1406271	10-65	3 305	21,556	4.20	905	17	15,933	3.79	604	4-70	42	1,086	.11	55	74
32-18-9281	6689664	1457364	10-66	2 298	18,510	4.01	742	10	14,425	3.74	539	11-69	29	636	.06	32	43
32-18-9282	4849565	1087974	12-58	8 298	16,463	3.93	647	15	14,130	3.74	528	3-69	44	639	.03	28	40
32-18-9282	5508461	1154946	7-61	4 305	17,168	4.24	728	35	14,255	3.69	526	7-69	44	539	.06	28	37
32-18-9282	5694267	1092490	2-62	4 299	20,500	3.49	715	32	14,395	3.69	531	12-69	44	872	-.08	20	39
32-19-0590	6083089	1384478	1-64	4 299	19,232	3.70	711	30	15,665	3.68	576	6-69	35	800	.02	32	47
32-20-0047	5744260	1222994	1-63	4 305	15,050	3.96	596	9	12,478	3.68	459	11-69	44	584	.04	27	38
32-20-0047	6233794	1420522	12-64	3 304	16,736	3.73	625	10	13,106	3.65	479	2-69	33	621	.02	25	37
32-20-0047	6474466	1420522	2-66	2 305	20,285	3.48	705	9	13,815	3.58	494	2-69	30	922	-.02	30	49
32-20-0280	5210347	1138441	5-60	7 305	18,929	3.44	652	13	13,956	3.49	487	6-69	44	986	-.09	22	44
32-20-0280	5888790	1355784	1-63	5 300	17,070	3.41	582	17	14,138	3.47	491	9-69	44	832	-.07	19	37
32-20-0441	7153763	1377954	11-67	1 305	20,540	3.29	675	6	14,140	3.71	525	11-69	36	850	-.02	28	45
32-20-0550	6650354	1222994	9-66	2 305	20,360	3.51	715	24	14,365	3.78	543	12-69	40				

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE NO. MILK (L8)	AVERAGES.. FAT FAT (%) (L8)	LAST T CALVD C MO-YR O	.....C O W MILK (L8)	I N D E X..... FAT FAT (%) (L8)	DOL- LARS	
32-20-9328	6512388	1456385	1-66	3 285 18,100 3.35 607	11 14,386 3.39 488	8-69	32	729	-.02	24	\$ 39
32-20-9328	6661493	1456385	4-66	2 305 21,230 3.51 746	8 13,260 3.38 448	7-69	29	1,174	.01	44	67
32-20-9328	6661500	1456385	9-66	2 279 19,175 3.85 739	13 16,020 3.45 553	1-70	29	632	.06	32	43
32-20-9328	6661501	1456385	9-66	2 305 19,220 3.62 695	11 15,810 3.49 551	3-70	8 29	660	.02	27	40
32-20-9328	6661502	1456385	11-66	1 295 21,950 2.99 656	17 15,790 3.41 538	1-70	24	818	-.06	20	38
32-20-9655	6426398	1438200	11-65	3 305 18,163 3.83 696	9 14,143 3.51 496	11-69	33	737	.04	33	47
32-20-9655	6524832	1438200	1-66	2 296 19,680 3.13 616	7 13,870 3.72 516	11-69	30	890	-.09	19	39
32-20-9655	6660328	1438200	4-66	2 305 17,315 3.72 644	6 13,910 3.57 497	9-69	30	607	.02	25	37
32-20-9924	6526372	1336050	11-65	3 298 18,137 3.83 695	12 14,597 3.59 524	3-70	42	834	.03	35	51
32-25-0103	5797577	1240549	2-62	5 304 21,168 3.67 776	18 16,250 3.70 601	12-68	44	693	.01	27	40
32-25-0105	6457761	1436622	2-66	1 300 22,760 3.29 748	15 15,890 3.55 564	9-69	H 29	996	-.07	26	47
32-25-0162	6786328	1417208	11-66	1 305 18,010 3.79 682	31 14,230 3.78 538	9-69	36	719	.01	28	42
32-25-0162	6842448	1261857	4-67	1 305 17,040 3.71 632	31 14,260 3.79 540	9-69	36	680	.06	33	45
32-25-0212	5779443	1313534	7-62	5 303 18,844 3.88 732	15 15,210 3.51 534	10-68	35	607	.07	32	42
32-25-0327	6162754	1384478	7-64	4 300 18,915 3.98 752	19 17,132 3.46 592	1-70	35	566	.10	35	44
32-25-0901	5744557	1222994	1-63	3 305 20,077 3.56 715	16 14,217 3.69 524	10-68	42	968	-.02	32	52
32-25-0901	5929371	1222994	9-63	4 305 21,235 3.66 778	17 15,700 3.66 574	4-69	44	990	.00	36	56
32-25-0901	6771302	1261857	3-67	1 305 17,060 3.93 671	19 12,510 3.59 449	9-69	36	799	.09	42	56
32-25-9212	6265628	1413027	9-64	3 305 22,133 3.58 792	38 14,700 3.59 527	10-69	34	992	.00	36	56
32-25-9244	5287264	1179372	11-60	4 301 21,828 3.34 728	21 17,273 3.66 632	9-69	44	812	-.05	22	39
32-25-9244	5515887	1179372	6-61	6 305 21,648 3.41 738	12 17,417 3.57 622	2-70	44	796	-.03	25	41
32-25-9244	5598609	1377892	2-62	5 305 22,462 3.59 806	14 16,328 3.58 585	12-68	36	1,212	-.01	42	66
32-25-9244	5900526	1377892	6-63	3 305 24,020 3.28 787	19 17,697 3.58 634	10-69	34	1,171	-.07	31	56
32-25-9244	6535540	1330987	1-66	2 305 20,245 3.81 772	21 17,585 3.60 633	8-69	40	631	.07	33	44
32-25-9244	6756088	1329588	10-66	1 305 24,680 3.29 812	22 17,640 3.65 644	9-69	36	809	-.06	20	38
32-26-0900	6353869	1222994	8-65	2 305 18,610 3.50 652	18 14,485 3.71 537	1-69	40	725	-.02	23	38
32-26-0900	6909873	1261857	8-67	1 305 17,510 3.58 626	23 14,300 3.73 533	11-69	36	712	.05	33	46
32-27-0110	6825731	1458744	2-67	2 300 15,875 3.45 548	12 12,910 3.70 478	12-69	40	815	-.03	25	42
32-27-0534	5524964	1199324	8-61	5 305 20,890 3.65 763	7 15,232 3.58 546	1-70	44	1,194	.00	43	67
32-27-9657	6321138	1239242	1-65	2 196 20,285 3.38 685	9 14,905 3.70 552	1-69	8 40	823	-.05	23	40
32-27-9763	6772404	1261857	9-66	2 305 17,145 4.30 737	33 15,145 3.84 582	2-70	40	657	.12	41	51
32-27-9763	6772409	1261857	10-66	2 305 17,555 4.20 738	39 15,150 3.91 593	12-69	40	698	.10	40	51
32-27-9763	6772411	1261857	11-66	2 305 21,230 3.59 762	39 15,150 3.91 593	12-69	40	1,071	.03	43	63
32-27-9763	6829945	1261857	9-66	2 295 17,345 4.04 700	37 14,855 3.97 590	10-69	40	704	.08	37	49
32-27-9763	7080536	1261857	9-67	1 280 16,780 3.58 601	27 15,040 3.94 592	10-69	36	608	.04	28	39
32-27-9763	7080538	1261857	9-67	1 305 18,100 3.65 660	27 15,480 3.91 606	11-69	36	677	.04	31	43
32-29-0530	4946233	1148993	7-59	3 305 18,720 4.20 787	14 15,993 3.70 591	10-68	41	548	.10	34	42
32-29-0530	6302607	1341636	10-63	3 305 26,007 3.31 861	15 13,760 3.77 519	11-68	32	1,824	-.07	55	93
32-30-0323	6756077	1261857	9-66	1 285 20,030 3.83 768	6 15,920 3.72 593	12-69	36	791	.08	40	54
32-32-0046	5997437	1352991	12-63	3 305 17,003 3.32 564	11 14,160 3.48 493	2-70	38	902	-.08	21	41
32-32-0046	6239899	1352991	2-65	3 305 22,180 3.21 713	12 14,506 3.45 500	2-70	38	1,508	-.10	39	72
32-32-0046	6326011	1370469	8-64	2 305 23,040 3.16 729	10 14,835 3.53 523	9-69	35	1,020	-.10	22	45
32-32-0046	6639142	1458712	3-66	2 305 20,535 3.57 733	17 15,475 3.43 531	3-70	25	660	.01	26	39
32-32-0047	6394017	1406271	6-65	2 279 16,275 3.77 613	11 13,005 3.38 440	7-69	8 40	754	.07	37	50
32-32-9760	5007964	1357092	12-59	7 304 20,034 4.23 847	21 17,044 3.70 630	6-69	37	671	.12	42	52
32-35-0003	6435629	1352991	9-65	1 305 20,050 3.48 698	10 14,300 3.83 547	3-69	31	1,078	-.08	27	50
32-35-0003	6435633	1352991	10-65	2 305 17,985 3.76 676	14 13,625 3.74 509	9-69	35	1,039	-.04	32	54
32-35-0003	6484515	1352991	11-65	2 295 20,105 3.54 711	15 13,760 3.73 513	10-69	35	1,258	-.07	35	62
32-35-0003	6629135	1352991	8-66	1 305 16,000 3.89 623	10 14,300 3.83 547	3-69	31	748	-.04	21	37
32-35-0003	6696999	1352991	10-66	1 304 21,910 3.51 769	10 14,940 3.82 570	3-69	31	1,182	-.08	31	56
32-35-0003	6808330	1352991	2-67	1 305 19,720 3.41 672	12 13,300 3.69 491	7-69	31	1,124	-.08	29	53
32-35-0003	6891722	1352991	9-67	1 305 18,910 3.68 695	13 13,770 3.68 507	11-69	31	1,024	-.05	30	51
32-36-0210	6837645	1331709	11-66	1 301 18,360 4.34 796	18 13,600 3.74 508	12-69	35	643	.03	28	40
32-38-0324	4296425	1165119	8-56	7 294 21,447 3.24 695	21 14,423 3.77 544	4-69	35	1,372	-.12	31	61
32-38-0324	6172224	1414935	1-64	4 298 21,330 3.58 764	25 16,087 3.69 594	2-70	35	957	-.03	30	50
32-38-0324	6628538	1285676	11-64	3 303 22,796 3.28 748	26 16,186 3.72 602	1-70	34	841	-.06	21	39
32-38-0324	6779713	1455742	11-65	2 305 20,995 3.62 761	14 15,985 3.73 597	9-69	29	763	.00	28	43
32-38-0324	6779719	1455742	7-66	2 305 20,205 4.07 823	17 16,140 3.74 603	9-69	29	650	.08	35	46
32-38-0324	6779728	1455742	12-66	2 305 19,195 3.94 756	13 15,880 3.60 572	4-70	29	556	.07	30	39
32-38-0870	6663949	1406271	8-65	3 280 20,110 3.29 662	9 16,263 3.36 547	4-70	42	886	.01	33	50
32-38-9485	5506237	1181029	9-61	6 303 20,100 3.35 673	7 14,893 3.67 547	4-69	44	760	-.04	21	37
32-40-0710	6758278	1261857	1-67	1 305 16,400 3.45 565	11 13,250 3.62 479	8-69	36	700	.05	33	46
32-41-0710	5116989	1060259	5-59	4 305 18,985 3.58 680	6 14,693 3.64 535	6-69	44	872	-.03	27	45
32-42-0411	6593119	1398134	9-64	3 305 21,040 3.77 794	18 15,410 3.64 561	4-69	33	780	.04	34	48
32-43-0046	5992127	1447234	10-63	4 305 22,835 3.39 774	14 17,488 3.68 643	1-69	30	867	-.06	22	41
32-43-0046	5992129	1244845	10-63	5 305 22,688 3.61 820	21 16,806 3.68 619	10-69	44	1,008	-.04	31	52
32-43-0046	6131718	1329588	4-64	4 305 20,153 3.95 797	17 17,328 3.70 641	2-70	44	619	.03	27	38
32-43-0046	7069743	1458744	9-67	1 302 19,060 3.88 740	24 16,520 3.71 613	9-69	36	767	.01	29	44
32-43-0322	5777083	1199324	11-62	3 305 19,306 3.32 640	10 15,323 3.61 553	1-70	42	938	-.06	25	45
32-43-0322	6796436	1458744	12-66	2 305 16,370 4.11 672	5 14,140 3.62 512	4-70	40	753	.05	34	48
32-43-0622	4769985	1155198	1-59	6 305 20,808 3.13 651	20 14,838 3.72 552	3-69	38	1,239	-.14	24	52
32-43-0860	6902676	1458744	6-67	1 304 16,510 3.43 566	14 13,780 3.50 482	9-69	36	760	-.02	25	40
32-43-9483	6368792	010229512	12-62	2 288 18,715 3.87 724	68 15,185 3.72 565	10-68	40	482	.09	30	37
32-43-9761	6369976	1237057	2-65	2 305 21,925 3.20 701	20 15,325 3.62 555	12-68	40	981	-.10	21	43
32-44-9101	5363540	1232296	1-61	4 305 20,875 3.50 731	12 15,208 3.52 535	9-69	44	1,039	.05	45	64
32-44-9101	7011902	1336050	10-67	1 305 20,060 3.31 664	25 15,050 3.64 548	10-69	35	843	-.03	26	43
32-44-9101	7064249	1336050	11-67	1 305 18,500 3.57 660	19 15,670 3.67 575	1-70	35	683	.00	24	38
32-44-9966	6775299	1458744	11-66	1 305 23,150 3.64 863	22 16,570 3.64 603	6-69	36	1,068	-.01	37	58
32-45-0324	6136638	1370237	9-63	5 300 19,152 3.32 636	10 13,938 3.72 519	1-70	35	852	-.09	18	37
32-45-0441	6835314	1330987	2-67	1 305 19,090 3.65 697	7 15,410 3.43 528	7-69	36	630	.06	31	42
32-45-0533	6167160	1239242	10-64	3 305 18,857 3.91 737	10 15,270 3.63 555						

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB) FAT (%) FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB) FAT (%) FAT (LB)	LAST T CALVD C REPT	.....C O W MILK (LB)	I N O E X..... FAT (%) FAT (LB) DOL- LARS
32-45-0710	6861107	1377954	2-67	1 305 17,680 3.90 690	17 14,420 3.86 557	11-69	36 618 .03 27	\$ 38
32-45-9320	5337419	1199324	1-61	4 305 16,837 3.62 610	14 14,715 3.70 545	3-69	44 725 -.02 23	38
32-45-9320	6458327	1449520	9-65	2 254 19,335 3.41 660	24 14,490 3.69 535	2-69 8	36 787 -.04 22	39
32-45-9320	7040941	1261857	12-67	1 305 18,300 3.94 721	10 16,360 3.61 590	2-70	36 633 .10 37	47
32-45-9534	6273442	1239242	10-64	2 305 16,305 3.85 627	16 12,505 3.57 447	12-68	40 638 .03 27	39
32-45-9768	6878020	1261857	8-66	1 305 19,320 3.46 668	12 15,810 3.79 599	6-69	36 746 .03 32	46
32-45-9900	6326449	1222994	4-65	2 305 21,175 3.49 740	13 15,830 3.70 585	5-69	40 863 -.03 27	45
32-46-0102	6764543	1261857	2-67	1 305 16,860 3.99 672	11 14,790 3.52 521	10-69	36 631 .10 38	48
32-46-0211	7235440	1485550	10-67	1 305 23,880 3.67 876	14 17,570 3.57 627	3-70	35 886 -.06 23	42
32-46-0333	6629742	1261857	10-66	2 305 20,355 4.10 835	35 16,875 3.73 630	11-69	40 825 .12 47	60
32-46-0482	5605703	1259069	2-62	5 304 23,814 3.30 785	28 16,060 3.68 591	1-69	44 1,173 -.09 28	54
32-46-0482	6579576	1461461	4-66	2 305 22,045 3.47 766	10 15,585 3.54 552	1-70	29 897 -.02 29	47
32-46-0483	4925101	1060259	7-59	7 304 17,696 3.83 678	32 14,439 3.82 552	5-69	44 755 -.02 25	40
32-46-0483	6207426	1283917	10-64	4 300 22,637 3.30 748	34 16,205 3.73 605	10-69	44 1,069 -.13 19	44
32-46-0483	6207431	1330987	10-64	4 304 19,608 4.07 799	47 16,910 3.71 628	12-69	44 676 .10 39	50
32-46-0483	6332937	1330987	5-65	3 302 18,300 4.29 785	38 15,853 3.71 588	7-69	42 616 .12 40	49
32-46-0711	7016484	1261857	7-67	1 305 22,150 4.08 903	26 17,160 3.69 633	8-69	36 866 .11 47	61
32-46-0760	6359683	1330987	7-65	3 305 17,813 3.36 598	36 14,187 3.60 511	10-69	42 733 .00 26	41
32-46-0765	5632379	1330987	8-62	5 302 20,816 3.62 753	18 16,876 3.72 627	1-70	44 848 .02 34	50
32-46-0765	6794477	1386406	12-66	2 303 21,435 3.98 854	15 17,495 3.65 639	1-70	40 745 .06 36	49
32-46-9041	6133229	1432457	7-64	4 305 21,067 3.66 771	9 16,082 3.64 585	2-70	35 959 .02 37	56
32-46-9041	6677017	1432457	8-66	2 305 22,785 3.50 798	5 17,075 3.63 620	2-70	31 945 -.01 32	51
32-46-9041	6921257	1432457	9-67	1 305 20,290 3.82 776	11 15,840 3.73 591	10-69 8	26 662 .03 28	40
32-46-9100	6377328	1386406	5-65	3 305 20,163 4.05 816	12 16,256 3.85 626	11-69	42 775 .05 36	50
32-46-9100	6377330	1309948	8-65	3 301 21,046 4.02 847	13 16,570 3.84 637	7-69	41 781 .03 32	47
32-46-9107	6618138	1330987	5-66	1 305 21,860 3.32 726	19 15,830 3.58 566	2-69	36 808 .01 31	47
32-46-9321	5757147	1154946	8-62	3 305 22,143 4.34 960	28 15,933 3.75 597	3-70	42 917 .09 46	62
32-46-9324	5208679	1284909	8-60	7 302 18,809 3.81 716	49 13,250 3.74 495	8-69	38 932 .02 36	54
32-46-9324	5837686	1395376	10-62	5 301 19,658 4.33 852	36 13,796 3.72 513	2-69	32 927 .14 54	69
32-46-9324	5979174	1330987	8-63	4 256 17,650 3.81 673	48 14,233 3.69 525	4-69 8	44 731 .06 35	48
32-46-9590	5328819	1382003	4-61	7 300 19,841 3.86 765	41 15,257 3.74 570	10-69	32 748 .03 32	46
32-46-9590	5437456	1336404	7-61	4 305 21,235 3.56 755	43 15,495 3.76 582	10-69	30 896 -.03 28	46
32-46-9590	6242275	1282185	8-64	3 305 20,673 3.95 816	24 16,580 3.67 609	3-69	42 587 .03 26	37
32-46-9590	6315388	1330987	11-64	2 305 21,500 4.05 870	45 15,360 3.76 578	10-68	40 961 .09 48	65
32-46-9590	6552837	1282936	9-65	2 305 20,925 3.57 746	33 16,330 3.72 608	3-69	40 732 -.02 23	38
32-46-9590	6684771	1280015	12-66	2 305 21,275 3.94 838	38 17,125 3.71 635	2-70	40 463 .11 33	39
32-46-9710	5312122	1317076	12-60	6 305 19,265 3.72 716	19 14,825 3.78 560	8-69	35 814 .00 30	46
32-46-9710	5987433	1399379	8-63	4 305 20,050 3.44 689	10 15,070 3.78 570	5-69	35 797 -.06 20	37
32-46-9710	6775503	1330987	6-65	2 305 20,100 3.78 759	29 16,900 3.76 636	11-68	40 679 .04 31	43
32-46-9710	7086946	1432457	6-67	1 305 21,980 3.56 782	23 16,950 3.75 636	10-69	26 722 -.01 25	39
32-46-9710	7086948	1432457	7-67	1 305 21,180 3.68 779	23 16,950 3.75 636	10-69	26 652 .00 24	37
32-46-9710	7086950	1432457	9-67	1 305 23,960 3.45 826	16 18,100 3.63 657	2-70	26 804 -.01 27	43
32-48-0380	6163183	1244009	8-64	3 295 19,753 3.21 634	24 15,373 3.26 501	3-69	42 943 -.06 25	45
32-48-0650	6090819	1303198	6-64	3 305 18,240 3.56 649	6 14,107 3.52 496	3-69	42 651 .00 24	37
32-50-0047	6999305	1261857	11-67	1 296 17,700 3.74 662	11 14,590 3.80 555	8-69	36 707 .06 35	47
32-50-0410	6845282	1431838	8-65	2 305 20,450 3.80 778	9 13,595 3.81 518	5-69	29 952 .02 38	56
32-50-0542	6633013	1330987	10-65	2 305 17,810 3.93 700	15 14,410 3.66 527	4-69	40 674 .07 35	47
32-50-0700	6835321	1239480	7-65	2 305 18,505 3.82 707	17 13,610 3.81 518	5-69	35 667 .03 28	41
32-50-0714	5385228	1138441	3-61	7 305 22,664 3.33 755	9 14,150 3.69 522	12-69	44 1,451 -.14 31	63
32-50-0714	5578329	1415748	3-62	4 305 18,128 4.16 754	8 13,925 3.62 504	7-69	33 674 .10 39	50
32-50-0714	6356311	1345461	3-65	3 305 19,053 3.96 755	8 13,680 3.68 503	8-69	41 847 .06 39	54
32-50-0825	6684474	1261857	9-66	2 305 20,575 4.18 860	27 16,590 3.64 604	10-69	40 873 .14 52	66
32-50-0960	5979178	1276654	9-63	4 298 17,545 3.36 589	21 12,460 3.60 448	12-69	44 747 -.04 21	37
32-50-9592	5991391	1239480	8-63	3 305 21,816 3.55 774	23 15,626 3.69 577	10-68	37 920 -.01 32	50
32-50-9592	6419111	1239480	9-65	2 305 20,740 3.69 765	24 16,240 3.85 625	5-69	35 653 .00 24	37
32-50-9592	6419112	1239480	10-65	2 305 18,670 3.94 736	13 14,505 3.78 549	10-69	35 596 .04 28	39
32-52-9043	5760190	1345640	3-62	6 291 19,152 3.65 699	19 15,888 3.72 591	11-69	36 782 .01 30	45
32-52-9043	6285368	1438023	10-64	3 300 18,790 3.76 707	11 14,990 3.84 575	8-69	33 849 -.02 27	44
32-52-9043	6752348	1438023	9-66	2 305 19,400 3.32 644	14 14,995 3.74 561	12-69	30 879 -.09 19	39
32-52-9043	6759757	1438023	1-67	2 305 19,255 3.52 678	10 14,910 3.72 555	2-70	30 871 -.05 24	43
32-52-9320	5605309	1344467	2-62	4 304 21,715 3.50 761	19 14,095 3.76 530	11-69	33 1,179 -.05 35	60
32-52-9320	5725591	1138441	12-62	4 305 24,315 3.54 861	23 14,113 3.73 526	1-70	43 1,615 -.10 43	78
32-55-0041	5488796	1352991	11-61	6 298 17,111 3.07 525	21 12,778 3.40 435	1-70	40 1,107 -.11 24	49
32-55-0041	5871334	1352991	12-62	6 302 15,851 3.65 578	19 13,100 3.41 447	2-70	40 892 -.01 30	48
32-55-9160	6629133	1352991	3-66	2 300 20,270 3.21 650	17 14,630 3.20 468	11-69	35 1,190 -.07 33	58
32-57-0320	6757441	1485780	10-66	2 305 18,240 4.25 775	21 14,850 3.93 584	11-69	28 582 .07 31	41
32-57-0320	7166615	1485780	2-68	1 305 20,060 4.00 803	5 15,290 3.92 599	4-70	22 618 .03 27	38
32-57-0452	6603912	1330987	5-66	2 281 16,660 3.26 543	15 12,995 3.41 443	6-69	40 686 .02 27	40
32-57-0539	6147667	1303198	8-64	1 305 20,240 3.64 736	21 14,100 3.63 512	11-69	36 649 .00 24	37
32-57-0539	6514880	1417208	12-65	2 301 17,870 4.25 759	18 16,160 3.62 585	3-70	40 604 .08 34	44
32-57-0775	7278839	1261857	2-67	1 305 15,210 3.56 542	5 13,140 3.93 517	11-69	36 619 .04 28	39
32-57-9621	6675891	1449306	11-66	1 305 21,990 3.12 686	8 12,740 3.66 466	12-68	26 1,047 -.10 23	46
32-61-0410	6829594	1419851	9-66	2 305 19,575 3.97 778	14 14,735 3.77 555	1-70	31 686 .04 31	44
32-61-9410	5562049	1250350	12-61	4 287 21,962 3.28 720	26 15,772 3.71 585	2-69	37 978 -.10 21	43
32-64-0654	6906952	1417208	7-67	1 305 22,040 3.87 854	14 17,190 3.80 654	10-69	36 820 .02 33	49
32-64-9762	7074473	1417208	6-67	1 305 19,350 3.91 757	12 16,570 3.75 621	9-69	36 661 .03 28	40
32-66-0442	5776750	1345461	11-61	6 305 21,206 3.54 751	9 15,485 3.57 553	9-69	43 987 .00 35	55
32-66-0442	5863582	1384478	2-63	3 305 20,643 3.46 714	34 17,170 3.58 615	1-69	33 776 -.01 26	42
32-67-0241	3689693	1074988	11-52	8 303 17,073 3.70 631	17 13,934 3.42 477	11-68	35 617 .04 28	39
32-67-0241	6034674	1366900	2-64	3 305 19,713 3.15 620	24 15,526 3.45 535	2-69	34 874 -.10 17	37
32-67-0241	6313095	1366900	8-63	5 302 19,280 3.21 618	21 15,782 3.41 538	3-70	36 831 -.08 18	37
32-67-0241	6766476	1406271	9-66	2 305 17,990 3.70 666	28 16,440 3.39 558	1-70	40 614 .06 31	42
32-67-9040	6558793	1452345	8-65	3 305 20,383 3.70 755	31 15,960 3.74 597	2-70	38 1,004 -.01 34	54
32-67-9040	6817519	1261857	8-66	2 305 16,875 3.96 668	37 14,835 3.76 558	9-69	40 658 .09 37	48
32-67-9040	6817520	1261857	9-66	2 297 18,610 3.90 725	41 15,740 3.77 593	11-69	40 751 .08 39	52

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	PRODUCTION. FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C RPT	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS	
32-67-9040	7115326	1261857	10-67	1 305	16,980	3.96	673	42	14,720	3.78	556	9-69	36	644	.08	35	\$ 46
32-67-9040	7115327	1261857	11-67	1 305	17,200	3.73	641	42	14,720	3.78	556	9-69	36	661	.06	33	45
32-68-0108	6239900	1352991	2-65	3 305	18,643	3.89	726	8	13,166	3.76	495	7-69	38	1,218	-.02	41	66
32-68-0535	6415689	1406271	3-65	2 305	18,825	3.34	629	8	14,515	3.63	527	7-69	40	875	-.01	30	48
32-68-9770	5326852	1328260	1-61	6 304	19,946	3.29	656	7	13,493	3.36	454	4-69	39	929	-.04	28	47
32-68-9770	5739099	1271810	9-62	3 305	20,240	3.01	610	12	15,250	3.25	495	5-65	42	899	-.09	19	39
32-71-0282	5870713	1267271	7-63	4 303	17,153	3.66	627	21	13,373	3.65	488	3-69	44	745	-.03	23	38
32-71-0480	6193744	1330987	10-64	3 305	18,540	3.93	728	11	13,420	3.81	511	7-69	42	896	.06	41	57
32-71-0480	6193745	1330987	11-64	3 305	16,107	3.85	620	12	13,463	3.82	514	7-69	42	611	.05	29	40
32-71-0480	6662729	1330987	8-66	2 305	19,250	4.06	781	7	16,265	3.81	620	3-70	40	650	.08	35	46
32-71-0480	6662730	1330987	9-66	2 305	19,115	3.38	647	13	14,555	3.83	557	11-69	40	793	-.01	27	43
32-73-0761	5193865	1228022	12-58	7 297	19,236	3.43	660	35	13,221	3.46	457	10-69	44	1,323	-.06	38	66
32-73-9480	5416696	1272896	8-61	4 305	19,305	4.60	888	14	16,220	3.64	590	6-69	41	464	.20	46	50
32-74-0761	6209403	1244009	12-64	4 289	17,835	3.38	602	15	14,133	3.79	536	1-70	44	872	-.09	18	38
32-74-0761	6517100	1437311	11-65	3 299	19,370	3.89	753	21	13,833	3.75	519	12-69	32	816	.03	34	49
32-74-0761	6652432	1437311	8-66	1 305	21,510	3.66	787	21	13,920	3.61	503	11-69	23	756	.00	28	43
32-74-0761	6652442	1456036	9-66	2 305	19,760	3.34	659	44	13,445	3.61	485	10-69	25	793	-.04	22	39
32-76-0108	4751469	1112211	9-58	7 304	17,800	3.71	660	12	14,634	3.51	514	2-70	44	786	.00	29	44
32-76-0768	6687572	1330987	8-65	3 303	15,143	3.41	517	9	11,970	3.63	435	10-69	42	655	.01	25	38
32-76-0770	5885646	1184848	10-62	4 305	22,835	3.42	782	6	14,820	3.58	530	11-68	44	1,043	.02	41	61
32-81-0440	5694764	1179372	11-61	1 305	18,920	3.79	718	7	13,670	3.58	489	7-69	36	624	.03	27	39
32-84-0040	4899402	1087974	7-58	8 299	15,283	4.00	611	11	13,310	3.62	482	12-69	44	582	.06	29	39
32-85-0105	6722830	1458744	9-66	2 301	18,690	3.78	706	14	16,775	3.61	605	2-70	40	748	.01	29	43
32-88-0282	6885268	1330987	5-67	1 305	20,850	3.73	777	10	16,400	3.24	531	5-69	36	695	.08	37	49
32-88-0651	5229059	1352991	12-60	6 301	17,781	3.41	606	19	15,015	3.61	542	10-68	40	921	-.08	22	42
32-88-0651	6597504	1386406	2-66	3 301	18,363	3.50	643	24	15,126	3.42	518	1-70	42	685	.02	27	40
32-89-0044	6436862	1455112	11-65	3 296	19,776	3.61	713	98	15,406	3.74	576	8-69	37	749	.01	29	44
32-89-0044	6678819	1222994	7-66	2 305	21,645	4.38	947	91	15,480	3.75	580	11-69	40	943	.10	49	65
32-89-0044	6678830	1261857	9-66	2 305	19,030	3.54	673	92	15,970	3.75	599	12-69	40	773	.03	33	47
32-89-0044	6912274	1222994	11-66	2 292	20,245	3.42	692	88	15,755	3.74	589	12-69	40	775	-.04	22	38
32-89-0044	6912281	1261857	8-67	1 289	17,180	3.95	679	75	15,070	3.68	555	8-69	36	636	.09	36	46
32-89-0044	6952503	1261857	10-67	1 305	20,810	4.01	834	65	16,830	3.66	616	12-69	36	788	.10	43	56
32-89-0044	6952506	1301864	10-67	1 305	24,580	3.59	883	56	17,580	3.64	640	1-70	36	726	.01	28	42
32-89-0108	5821759	1199324	11-62	1 305	18,460	3.86	713	5	14,860	3.63	539	6-69	36	786	.01	30	45
32-89-0328	6232364	1391780	10-64	4 302	18,805	3.56	669	20	13,972	3.67	513	10-69	33	850	-.04	25	43
32-89-0328	6471344	1406271	9-65	3 293	16,703	3.86	644	19	14,226	3.63	516	1-70	42	705	.06	34	47
32-89-0414	6933795	1426616	7-67	1 305	16,100	3.55	571	12	14,140	3.79	536	10-69	27	671	.00	24	37
32-89-0440	6223206	1442701	6-64	2 305	20,185	3.92	791	10	16,365	3.65	597	10-68	30	840	.05	38	53
32-89-0822	6223207	1442701	11-64	3 305	15,483	3.53	547	13	13,030	3.56	464	11-69	33	662	.00	24	37
32-89-9531	8624311	1413165	7-66	2 292	21,280	3.52	749	15	15,670	3.40	533	2-70	40	920	-.08	22	42
32-89-9820	6826993	1406271	10-66	1 305	17,690	3.62	641	15	14,980	3.58	537	12-68	36	668	.03	29	41
32-90-0329	6321326	1222994	12-64	2 305	23,910	3.41	815	13	19,910	3.56	709	1-69	40	768	-.03	24	40
32-91-0760	4862963	1060259	1-59	8 298	19,094	3.85	736	22	14,223	3.73	531	6-69	44	960	.00	35	54
32-91-0760	5969867	1214152	3-63	4 305	20,625	3.67	757	27	14,850	3.77	560	9-69	44	731	-.02	23	38
32-91-0760	6103454	1329588	5-64	4 299	18,563	3.69	685	30	14,475	3.82	553	7-69	44	740	-.03	23	38
32-91-0760	6271937	1330987	10-64	4 304	21,405	3.90	834	30	16,158	3.78	611	3-70	44	981	.06	45	63
32-91-0760	6271941	1199324	3-65	3 300	16,543	4.04	668	28	14,820	3.75	556	6-69	42	673	.03	28	41
32-91-0760	6550137	1330987	1-66	2 305	22,915	3.72	852	31	16,400	3.84	629	2-69	40	1,010	.03	41	60
32-92-0765	5694421	1181029	10-62	4 296	22,000	3.55	782	15	17,035	3.65	621	10-69	44	729	.00	26	40
32-92-0765	7244057	1396740	12-67	1 283	22,590	3.81	860	13	18,570	3.55	659	1-70	32	590	.09	34	44
32-92-0900	6890126	1261857	6-67	1 298	16,850	3.69	622	20	11,390	3.61	411	7-69	36	858	.07	41	56
32-92-0960	6534358	1239242	11-65	2 305	20,765	3.48	722	20	14,035	3.76	528	9-69	40	951	-.04	29	49
32-92-0960	6534360	1239242	2-66	2 305	20,665	3.43	709	18	15,330	3.79	581	2-69	40	823	-.05	23	40
32-92-9040	5796728	1237057	12-62	4 301	20,100	3.46	695	16	14,810	3.68	545	2-69	44	944	-.07	24	44
32-92-9040	6446368	1085978	2-64	3 305	22,677	3.39	769	19	15,670	3.64	570	11-69	42	1,263	-.06	36	63
32-92-9441	5455871	1344455	8-61	2 305	18,490	3.66	676	6	14,770	3.62	534	11-68	31	646	.02	26	38
32-94-9650	5190213	1087974	9-58	7 304	22,453	3.67	823	37	15,216	3.66	557	10-69	44	1,286	.00	47	72
32-94-9650	6680849	1261857	8-66	1 302	18,300	4.06	743	49	14,940	3.59	536	9-68	36	728	.11	42	54
32-94-9650	6680863	1315578	12-66	1 305	19,450	3.92	762	37	16,300	3.55	579	1-69	36	475	.12	34	41
33-01-0110	5771722	1276344	9-62	5 303	16,516	4.04	667	13	13,804	3.58	494	9-69	44	596	.09	34	44
33-01-0110	6365854	1276344	4-65	2 305	20,000	3.33	666	9	15,570	3.56	555	12-68	40	731	-.01	25	40
33-01-0110	6793989	1308101	12-66	1 305	15,960	3.71	592	10	14,060	3.58	503	6-69	36	734	-.01	25	40
33-01-0140	5902714	1364672	5-63	5 305	19,232	3.97	763	7	15,140	3.57	541	2-70	35	798	.08	41	55
33-01-0140	5991834	1410270	11-63	4 303	17,070	4.19	715	8	14,650	3.67	537	2-70	35	431	.11	32	38
33-01-0140	6204570	1410270	1-64	4 297	20,350	3.42	695	6	15,320	3.52	539	8-69	35	808	.00	29	45
33-01-0141	6272518	1410270	2-65	2 305	16,500	4.27	705	14	13,110	3.61	473	7-69	31	472	.12	34	40
33-01-0173	4761455	1330987	11-66	1 305	18,290	3.46	632	14	13,050	3.88	506	12-69	36	728	.01	28	42
33-01-0440	6168269	1424227	8-64	3 304	18,846	3.92	738	17	14,856	3.53	525	3-69	41	597	.10	36	45
33-02-0210	5221784	1345354	10-60	3 233	18,940	3.64	689	33	14,800	3.61	535	6-69	41	634	.04	28	40
33-02-0210	6184245	1189870	11-63	3 305	20,883	3.40	709	15	14,737	3.87	571	11-69	42	9			

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	LAST T CALVO C MO-YR D	.....C O W MILK (L8)	I N D E X..... FAT (L8)	FAT (L8)	DOL- LARS
33-03-0140	6738126	1239242	9-66	1 177	21,720	3.77	819	20 15,300	3.50 535	11-68 8	36 773	.02	31	\$ 46
33-03-0211	6394293	1315578	4-64	4 305	16,487	4.12	680	18 13,505	3.78 510	11-69	44 560	.13	39	47
33-03-0211	6452897	1315578	12-65	3 305	20,420	3.81	777	21 14,300	3.88 555	1-70	42 910	.08	44	60
33-03-0243	5125233	1252916	4-59	3 305	16,800	4.08	686	10 12,797	3.85 493	12-68	33 700	.03	30	43
33-03-0243	6445248	1397617	4-64	3 305	18,530	3.80	704	13 12,916	3.82 494	3-70	33 688	.02	28	41
33-03-0512	6211068	1182696	11-64	3 305	20,797	3.71	771	17 17,197	3.65 628	3-69	42 724	.03	30	44
33-03-0512	6323033	1182696	10-64	3 305	18,520	4.02	744	25 16,683	3.65 609	10-69	42 515	.07	29	37
33-03-0512	6323034	1182696	12-64	3 305	20,287	3.75	760	15 17,330	3.66 634	3-69	42 651	.03	28	40
33-03-0512	6336591	1244009	3-65	3 305	21,467	3.34	718	31 16,827	3.61 608	7-69	42 990	-.08	24	46
33-03-0617	4962749	1307980	9-59	5 305	21,766	3.49	759	12 15,906	3.94 626	11-68	35 948	-.07	24	45
33-03-0712	5889219	1315578	1-63	4 293	16,367	3.81	623	23 13,840	3.71 514	1-69	44 508	.09	31	39
33-03-0712	6031823	1330987	12-62	4 298	17,900	3.55	636	15 13,488	3.67 495	12-69	44 845	.02	34	50
33-03-0712	6500834	1315578	2-66	2 305	21,160	3.59	760	6 13,660	3.73 510	6-69	40 967	.07	45	62
33-03-0712	6643744	1182696	6-66	2 300	18,985	3.17	602	20 14,320	3.65 523	2-70 H	40 759	-.04	21	37
33-05-0150	7191741	1330987	5-67	1 305	19,030	3.45	656	15 13,350	3.81 508	12-69	36 764	.01	29	44
33-05-0445	5810428	1237057	4-63	3 304	21,317	3.25	693	13 15,593	3.50 546	4-69	42 964	-.09	22	43
33-05-0445	6311643	1444875	12-64	2 305	22,260	3.25	723	17 15,200	3.53 537	1-69	25 909	-.06	24	44
33-05-0475	6677802	1330987	7-66	2 305	21,140	3.57	755	12 13,875	3.70 514	2-70	40 1,060	.03	42	62
33-07-0143	6852526	1261857	6-67	1 305	17,090	4.13	706	10 15,210	3.75 571	12-69	36 620	.10	37	47
33-07-0143	6964522	1261857	5-67	1 305	20,390	3.85	784	6 15,960	3.67 586	11-69	36 815	.09	42	56
33-09-0003	5578810	1182696	12-61	3 290	24,863	3.36	835	29 15,327	3.58 548	6-69	42 1,385	-.03	46	74
33-09-0003	6540493	1203114	2-66	2 305	23,110	3.36	776	54 14,370	3.70 531	11-69	40 1,008	-.07	26	48
33-09-0003	6540522	1315578	3-66	2 305	18,125	3.65	662	39 13,875	3.61 501	8-69	40 639	.09	36	46
33-09-0003	6625236	1315578	5-66	2 304	16,825	3.68	620	62 13,770	3.60 496	11-69	40 517	.09	32	40
33-09-0003	6625253	1308101	9-66	2 305	18,350	3.20	587	65 13,925	3.64 507	12-69	40 1,005	-.08	25	47
33-09-0003	6661292	1308101	10-66	2 305	19,090	3.39	648	63 14,285	3.61 516	12-69	40 1,047	-.05	31	53
33-09-0003	6895827	1308101	9-67	1 277	17,020	3.81	648	62 14,150	3.74 529	11-69	36 807	-.01	27	43
33-09-0003	6895828	1308101	9-67	1 305	18,620	3.49	650	63 14,400	3.74 538	12-69	36 910	-.04	27	46
33-09-0152	5519615	1282185	9-61	3 305	21,446	3.31	709	7 14,776	3.72 550	12-69	42 862	-.07	20	39
33-09-0718	6320391	1380470	5-63	3 304	25,253	3.19	806	6 15,697	3.64 571	4-69	29 1,387	-.10	35	65
33-09-0718	6779426	1308101	11-66	1 305	18,210	3.15	573	6 13,900	3.82 531	9-69	36 913	-.07	22	42
33-10-0174	6461755	1308101	11-65	2 305	19,450	3.34	650	49 14,900	3.48 518	11-68	40 1,028	-.04	31	52
33-10-0412	5754298	1352979	9-62	5 305	16,400	3.56	584	16 12,528	3.50 438	5-69	44 743	-.04	21	37
33-10-0671	6817784	1308101	4-67	1 305	18,540	3.46	642	13 15,820	3.49 552	8-69	36 808	-.03	25	42
33-11-0810	6628652	1432383	1-65	3 305	18,203	3.15	574	20 11,317	3.60 407	8-69	32 916	-.07	22	42
33-13-0273	6514304	1352979	12-65	3 293	20,890	3.23	675	26 16,013	3.40 544	11-69	42 859	-.09	18	37
33-13-0273	6667161	1363507	1-66	2 305	23,475	3.16	741	16 16,325	3.20 523	4-69	40 911	-.07	23	43
33-13-0311	6125893	1329588	5-64	4 303	17,530	4.32	757	17 14,573	3.67 535	10-69	44 601	.08	34	44
33-13-0311	6503830	1352979	11-65	3 300	20,160	3.64	733	24 14,856	3.81 566	12-69	42 895	-.06	23	42
33-13-0311	6503832	1330987	1-66	2 305	17,865	3.71	662	17 14,465	3.73 540	3-69	40 674	.04	30	42
33-13-0342	5206765	1276344	11-60	7 305	15,869	4.00	635	13 13,586	3.61 490	7-69	44 538	.08	31	40
33-13-0342	6504432	1315578	1-66	2 305	18,870	3.56	672	15 12,975	3.61 468	7-69	40 797	.08	40	54
33-13-0353	6305490	1330987	2-65	1 305	16,200	3.54	573	9 12,840	3.40 437	6-69	36 587	.05	28	38
33-13-0353	6663261	1315578	11-66	2 292	17,150	3.82	655	30 14,260	3.60 513	10-69	40 505	.11	34	41
33-13-0353	7018970	1330987	10-67	1 305	17,380	3.85	669	34 13,420	3.74 502	11-69	36 636	.06	31	42
33-13-0410	5822325	1315578	1-63	4 305	16,415	3.67	602	16 13,042	3.73 487	9-68	44 603	.07	32	42
33-13-0512	5779568	1276344	1-63	3 231	17,767	3.94	700	20 15,473	3.62 560	3-69 8	42 539	.07	29	38
33-13-0512	6316776	1457920	5-65	3 302	21,603	3.38	731	24 15,193	3.58 544	11-69	32 899	-.02	29	47
33-13-0512	6491607	1352979	2-66	2 305	28,585	3.45	987	15 15,175	3.56 540	6-69	40 1,656	-.07	49	84
33-13-6344	6188961	1414917	9-64	3 305	20,407	3.11	635	17 13,953	3.62 505	12-68	41 918	-.09	20	40
33-13-6351	6408427	1282185	10-65	2 293	20,455	3.54	725	11 13,770	3.62 498	1-69	40 766	-.02	24	40
33-13-6677	6435333	1237057	10-65	2 305	18,300	3.34	612	22 13,110	3.59 470	2-69	40 815	-.07	19	37
33-13-6841	4794365	1276344	1-59	7 301	18,700	3.60	674	16 14,197	3.81 541	12-68	44 835	.00	30	47
33-13-6843	6516719	1182696	10-65	2 295	18,070	3.82	690	20 13,360	3.65 488	11-68	40 754	.04	33	47
33-18-0277	6528438	1182696	11-65	2 305	23,110	4.31	996	17 16,045	3.92 629	7-69	40 1,020	.09	51	69
33-18-0277	6597555	1273756	3-66	2 305	19,765	3.64	720	21 16,445	3.96 652	8-69	40 697	-.01	24	38
33-18-0348	6574745	1315578	8-65	3 305	17,100	4.17	713	22 15,326	3.80 583	1-70	42 422	.13	34	39
33-18-0348	6927766	1308101	9-67	1 305	18,320	3.63	665	31 15,370	3.82 587	11-69	36 822	-.03	25	42
33-18-0612	6383134	1242221	8-65	2 305	15,185	4.07	618	26 13,255	3.80 504	6-69	38 870	.03	36	52
33-18-0711	6671079	1308101	12-66	2 305	18,475	3.60	665	6 14,760	3.75 554	11-69	40 942	-.03	29	49
33-18-0717	6606510	1315578	6-66	2 305	16,315	3.60	588	16 12,955	3.72 482	10-69	40 540	.07	30	39
33-21-0114	7054744	1308101	9-66	1 305	18,360	3.51	645	16 16,170	3.80 614	1-69	36 772	-.05	21	37
33-21-0176	5946303	1315578	8-63	4 305	16,912	4.25	718	17 14,840	3.92 582	7-69	44 464	.13	36	42
33-21-0453	6090424	1182696	1-64	3 305	15,620	4.16	650	12 11,553	3.76 434	9-69	42 712	.07	36	48
33-21-0453	6640493	1315578	10-66	2 299	15,065	4.21	634	19 11,925	3.77 450	1-70	40 507	.13	37	44
33-21-0522	6561852	1308101	2-66	1 305	15,330	3.76	576	18 11,770	3.67 432	7-69	36 841	-.02	28	45
33-21-0616	6739331	1308101	11-66	1 305	15,910	3.73	594	11 11,040	3.84 424	1-69	36 933	-.02	30	49
33-21-0617	6524299	1242221	1-66	2 305	21,545	3.61	778	21 15,010	3.63 545	1-70	38 1,369	.00	49	76
33-21-0716	5820568	1367307	1-63	4 302	15,735	4.23	666	15 13,068	3.80 496	5-69	36 524	.07	29	38
33-21-0716	5898865	1367307	5-63	3 305	16,857	3.92	661	20 12,687	3.86 490	3-69	34 697	.01	27	40
33-21-0719	7292117	1242221	5-67	1 301	17,250	3.05	526	15 12,620	3.63 458	2-70	34 1,068	-.05	31	53
33-24-0213	6254860	1311145	10-64	3 305	22,720	3.42	776	22 15,837	3.74 592	12-68	29 1,008	-.06	28	49
33-24-0213	6880494	1308101	4-67	1 302	17,560	4.16	730	19 15,520	3.69 573	9-69	36 756	.02	30	45
33-24-0470	6892709	1282185	11-65	2 305	19,300	3.56	687	9 12,705	3.80 483	1-70	40 746	-.03	22	38
33-24-0470	7294323	1308101	12-66	1 305	15,630	3.63	568	13 12,770	3.81 486	11-69	36 796	-.03	24	41

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C O	.....C O W REPT (%)	MILK (L8)	I N O FAT (%)	E X FAT (L8)	..... OOL- LARS	
33-24-0841	5830279	1189870	9-62	2 305	24,395	4.15	1012	30	16,440	3.72	612	10-68	40	1,063	.08	51	\$ 70
33-24-0841	6136505	1352991	6-64	4 305	20,402	3.19	650	24	14,880	3.60	536	8-69	39	1,277	-.12	28	56
33-24-0841	6270798	1414917	7-64	4 279	21,160	3.62	767	32	16,683	3.73	623	3-70	42	759	-.02	24	40
33-24-0841	6370246	1449577	5-64	4 305	19,815	4.44	879	32	15,670	3.72	583	12-69	33	713	.15	47	58
33-24-0844	5801929	1199324	4-63	5 301	17,424	3.39	591	17	14,058	3.72	523	12-69	44	883	-.06	23	42
33-25-0471	6388742	1417208	8-65	2 299	18,200	3.37	613	353	14,700	3.45	507	7-69	40	771	-.01	27	42
33-25-0471	6394222	1315578	10-65	2 305	20,825	3.68	766	154	15,805	3.45	546	2-69	40	737	.10	42	54
33-25-0471	6404814	1237057	10-65	3 300	20,673	3.30	683	235	15,893	3.50	556	1-70	42	859	-.07	20	39
33-25-0471	6475615	1315578	10-65	3 305	16,956	3.93	666	258	14,953	3.46	518	11-69	42	444	.14	36	41
33-25-0471	6489482	1421038	11-65	2 305	24,300	3.06	743	320	15,910	3.45	549	12-69	25	1,087	-.09	25	49
33-25-0471	6522061	1417208	10-65	2 305	23,255	3.13	728	172	15,780	3.48	549	3-69	40	1,186	-.06	34	59
33-25-0471	6583814	1330987	6-66	2 305	18,770	3.60	676	489	14,420	3.52	507	11-69	40	770	.05	35	49
33-25-0471	6624984	1330987	9-66	2 305	19,325	3.78	731	469	14,125	3.53	498	10-69	40	853	.07	41	56
33-25-0471	6719333	1446676	12-66	1 305	22,880	3.50	801	441	15,730	3.55	558	12-69	19	697	-.01	24	38
33-25-0471	6752257	1315578	10-65	2 305	19,320	3.35	647	409	14,120	3.53	499	10-69	40	738	.05	34	47
33-25-0471	6788950	1244845	2-66	2 305	20,835	3.61	753	184	15,635	3.48	544	3-69	40	773	-.02	25	41
33-25-0471	6845916	1377954	6-67	1 305	20,700	3.59	743	380	16,040	3.56	571	1-70	36	734	.02	30	44
33-25-0471	6857781	1308101	1-67	1 305	18,840	3.28	618	440	15,740	3.55	558	12-69	36	836	-.05	23	41
33-25-0471	6861681	1450228	7-67	1 305	22,930	3.11	712	442	15,730	3.55	559	12-69	33	1,280	-.09	33	61
33-25-0471	6898094	1308101	7-67	1 297	18,120	3.64	659	378	16,030	3.56	571	1-70	36	763	-.02	25	41
33-25-0471	6908438	1458744	11-67	1 305	17,640	3.71	655	541	15,280	3.53	540	11-69	36	744	.01	28	43
33-25-0471	6909290	1301864	12-65	2 296	20,755	3.43	711	416	13,800	3.51	484	7-69	40	871	.00	31	48
33-25-0471	6940673	1315578	8-67	1 305	17,610	3.96	697	512	13,950	3.54	494	8-69	36	495	.12	35	42
33-25-0471	6976320	1458744	12-67	1 305	16,990	3.58	608	541	15,280	3.53	540	11-69	36	696	-.01	24	38
33-25-0471	6980521	1458744	6-67	1 305	20,660	2.95	610	377	16,030	3.56	571	1-70	36	919	-.08	22	42
33-25-0471	6997699	1432805	3-67	1 305	25,020	3.19	799	544	15,290	3.53	540	11-69	24	913	-.06	24	44
33-25-0471	7047675	10287319	12-65	2 305	19,355	3.41	660	412	14,115	3.54	500	10-69	32	784	-.04	22	39
33-25-0471	7140399	1386406	9-67	1 305	19,180	3.59	689	574	14,880	3.53	525	10-69	36	656	.02	26	39
33-25-0471	7236494	1236789	5-67	1 305	19,240	3.50	674	572	14,870	3.53	525	10-69	35	738	.00	26	41
33-31-0212	6606770	1308101	4-66	2 305	18,530	3.33	617	10	15,960	3.48	556	7-69	40	838	-.04	24	42
33-31-0212	6606771	1308101	5-66	2 305	20,465	3.42	699	10	16,190	3.57	578	9-69	40	1,013	-.04	30	51
33-31-0212	6841864	1308101	3-67	2 305	17,670	3.67	649	7	16,100	3.70	596	4-70	40	738	-.02	24	39
33-31-0356	4803386	1216957	12-58	2 305	19,360	3.81	738	31	14,010	3.65	512	10-68	40	555	.05	27	37
33-31-0356	5941610	1237057	8-63	3 305	20,890	3.38	707	26	14,830	3.57	530	11-68	42	994	-.07	25	47
33-31-0356	6175203	1182696	12-64	3 305	20,743	3.67	761	31	15,047	3.58	539	4-69	42	940	.03	38	56
33-31-0713	6745324	1315578	11-66	2 236	17,015	3.65	621	8	14,135	3.72	526	11-69	8 40	503	.08	29	37
33-31-0713	6830371	1315578	7-65	2 305	19,390	3.80	737	8	12,470	3.74	467	6-69	40	896	.09	46	61
33-37-0213	6568393	1363507	8-65	2 305	21,125	3.05	644	23	13,670	3.50	479	4-69	40	915	-.11	17	38
33-37-0710	6531743	1461145	11-65	2 305	19,810	4.23	838	10	15,330	3.96	607	2-69	25	585	.07	31	41
33-38-0410	5305747	1306607	11-59	6 305	19,218	3.77	724	23	14,185	3.84	545	2-69	36	840	.00	30	47
33-38-0410	5739002	1363507	10-62	4 305	17,080	4.53	773	21	14,155	3.82	541	1-70	43	516	.08	30	38
33-38-0410	6300013	1424227	1-65	3 305	18,453	4.31	795	25	14,550	3.79	552	10-69	41	583	.13	40	48
33-38-0410	6660296	1385036	2-66	2 305	22,550	3.75	845	23	15,040	3.82	574	8-69	40	1,010	-.04	31	52
33-38-0410	6660299	1308101	7-66	1 305	16,970	3.61	612	16	13,930	4.01	558	10-68	36	818	-.04	23	40
33-38-0410	6754955	1308101	3-67	1 305	18,800	3.16	595	32	14,260	3.90	556	11-68	36	932	-.08	22	42
33-38-0411	5666478	1199324	11-62	1 305	15,850	3.85	611	11	12,570	3.76	473	7-69	36	745	-.01	26	41
33-40-0213	6723984	1308101	10-66	2 305	17,885	3.58	641	7	13,200	3.73	493	2-70	40	1,024	-.03	32	53
33-41-0111	6509282	1315578	1-66	2 226	19,585	3.68	721	10	15,140	3.65	552	9-69	B 40	672	.09	37	48
33-41-0170	5823557	1386859	3-63	4 305	17,015	3.67	624	12	14,090	3.78	532	1-69	42	709	.00	26	40
33-41-0170	6673177	1308101	3-66	2 305	15,530	4.15	644	8	13,420	3.79	508	5-69	40	765	.02	31	46
33-41-0170	6673178	1308101	7-66	2 305	17,105	3.27	559	6	14,315	3.82	547	9-69	40	843	-.08	19	38
33-41-0441	7050913	1308101	6-67	1 305	18,370	3.58	658	21	14,470	4.07	589	6-69	36	886	-.05	24	43
33-41-0510	6358464	1386859	6-65	3 290	17,896	4.09	732	16	15,486	3.76	583	12-69	41	645	.07	33	44
33-41-0510	6681548	1471618	8-66	2 296	21,895	3.42	748	13	15,400	3.73	575	3-70	25	840	-.05	23	41
33-41-0510	6889616	1386859	6-67	1 305	19,170	3.81	730	10	15,720	3.70	582	12-69	35	660	.03	28	40
33-41-0540	6262432	1417208	9-64	4 305	21,862	3.22	704	19	17,337	3.47	601	1-70	44	986	-.04	29	50
33-41-0540	6481218	1330987	5-65	3 305	19,200	3.51	673	17	17,080	3.45	589	1-70	42	593	.04	27	38
33-41-0540	6488782	1330987	8-65	3 305	19,067	3.86	736	10	15,210	3.70	563	8-69	42	771	.06	37	51
33-41-0540	6488783	1330987	8-65	3 305	17,610	3.74	659	9	15,240	3.71	565	8-69	42	600	.04	28	39
33-41-0540	6488786	1417208	9-65	3 305	19,410	3.27	634	18	16,586	3.53	586	12-69	42	750	-.03	22	38
33-41-0540	6762768	1330987	6-66	2 305	23,235	3.26	757	13	16,140	3.46	559	10-69	40	1,066	.00	38	59
33-41-0540	6763745	1417208	12-65	2 305	19,340	3.24	627	13	15,650	3.60	563	6-69	40	800	-.04	23	40
33-41-0540	6916950	1308101	11-67	1 305	19,860	3.42	680	26	18,260	3.49	637	2-70	36	743	-.03	22	38
33-41-0718	6641686	1182696	9-66	2 305	20,345	3.63	738	5	16,245	3.69	600	1-70	40	721	.01	28	42
33-41-0718	6807259	1308101	1-67	1 305	17,740	3.76	667	5	13,250	3.67	486	8-69	36	921	-.01	32	50
33-41-0721	6184818	1355376	1-65	3 237	18,800	4.03	758	29	13,620	3.86	526	12-69	41	847	.02	34	50
33-41-0740	5389644	1183964	1-61	5 278	19,460	3.53	686	19	14,186	3.48	493	9-69	B 44	822	-.05	23	40
33-43-0161	5618574	1182696	6-62	1 305	22,840	3.94	899	13	18,840	3.84	724	1-69	36	634	.04	28	40
33-43-0161	6082072	1182696	2-64	4 305	20,398	3.20	653	15	15,128	3.71	561	3-70	44	932	-.06	24	44
33-43-0161	6134335	1417208	7-64	3 293	20,643	3.81	786										

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	PRODUCTION. FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST CALV O	T C	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... OOL- LARS
33-43-0511	6707425	1308101	10-66	2 303	16,575	3.98	660	21	14,920	3.84	573	1-70	40	734	.00	27	\$ 41
33-43-0511	6754848	1315578	8-66	2 305	17,185	3.97	682	16	14,215	3.94	560	11-69	40	513	.09	32	40
33-43-0511	6754849	1182696	12-66	1 305	18,540	3.54	657	19	13,730	3.78	519	7-69	36	657	.00	24	37
33-43-0515	5638052	1388567	3-62	3 305	20,850	3.88	808	15	17,693	3.76	666	5-69	34	629	.04	29	40
33-43-0515	5836663	1309943	6-63	5 305	20,736	3.60	746	12	16,970	3.75	637	12-69	37	769	-.03	23	39
33-43-0515	6788662	1469162	11-66	2 305	23,540	3.65	860	11	18,035	3.77	680	2-70	29	784	-.01	27	43
33-43-0546	6803640	1261857	3-67	1 305	20,200	3.83	773	13	16,640	3.92	652	3-69	36	756	.06	36	49
33-43-0676	5821572	1237057	2-63	4 305	20,963	3.93	824	14	15,233	3.89	593	1-70	44	1,003	-.01	34	54
33-43-0676	6541340	1237057	12-65	2 305	20,565	3.58	736	11	15,460	3.87	598	11-69	40	830	-.07	20	38
33-43-0683	6999452	1308101	3-68	1 305	15,930	3.61	575	5	12,920	3.96	511	4-70	36	808	-.04	23	40
33-43-0712	5905759	1386859	11-62	5 301	16,902	3.98	673	26	14,816	3.77	558	12-68	43	619	.05	30	41
33-43-0712	6582420	1308101	7-66	1 305	20,060	3.47	696	24	15,710	3.69	580	9-68	36	929	-.04	27	47
33-43-0712	6583944	1430098	6-65	3 305	21,540	3.35	721	22	14,870	3.84	571	12-69	32	1,009	-.08	24	46
33-43-0724	6430302	1301864	9-65	3 305	21,640	3.64	788	14	17,436	3.74	652	12-69	42	685	.00	25	39
33-43-0724	6672567	1222994	9-66	2 305	22,255	3.62	806	17	17,915	3.76	674	3-70	40	782	-.02	26	42
33-43-0724	6883625	1261857	7-67	1 305	20,540	4.32	887	15	18,010	3.74	674	11-69	36	689	.12	43	54
33-43-0724	7005212	1261857	10-67	1 305	20,700	3.64	753	19	18,060	3.74	676	12-69	36	698	.05	33	46
33-43-0725	5648286	1182696	8-62	4 305	18,315	4.03	738	25	15,355	3.86	592	4-70	44	649	.05	31	43
33-43-0725	5664768	1330987	10-62	4 296	17,250	4.16	717	18	13,610	3.76	512	5-69	44	751	.10	42	54
33-43-0725	6247921	1386841	12-64	4 299	18,982	3.92	745	35	14,610	3.85	563	12-69	39	853	-.01	29	46
33-43-0725	6719335	1315578	9-66	1 290	17,260	3.93	679	19	14,150	3.85	545	7-69	36	456	.10	31	38
33-43-0725	6855790	1315578	6-67	1 305	18,820	4.19	788	26	15,110	3.88	586	10-69	36	507	.12	36	43
33-43-0725	6938353	1315578	12-67	1 305	23,420	4.03	944	32	15,520	3.87	601	11-69	36	823	.12	47	60
33-44-0147	6223402	1435060	9-64	4 296	18,130	3.60	653	18	13,585	3.75	510	11-69	35	772	-.03	23	39
33-44-0147	6288911	1417874	8-64	3 305	20,003	3.68	736	17	13,900	3.84	534	12-69	29	869	-.02	29	47
33-44-0245	6940322	1308101	11-66	1 305	18,100	3.41	618	9	14,350	3.66	525	7-69	36	874	-.04	25	43
33-44-0245	6940838	1485550	8-67	1 305	21,350	3.63	775	8	14,000	3.43	480	12-69	35	938	-.05	26	46
33-44-0413	6782572	1315578	11-66	2 305	18,975	4.06	770	9	14,080	3.91	551	3-70	40	707	.11	42	53
33-44-0514	6312657	1386859	1-65	3 305	17,470	3.66	640	11	13,666	3.85	526	1-70	41	787	.00	28	44
33-44-0570	6341201	1242221	6-65	3 303	15,713	3.53	554	20	13,190	3.69	487	8-69	41	941	-.02	31	50
33-44-0571	6854566	1315578	2-66	2 305	16,070	4.27	686	9	13,485	3.86	520	8-69	40	466	.13	36	42
33-44-0571	6855201	1315578	1-67	1 305	16,240	4.47	726	9	13,500	3.79	511	7-69	36	423	.14	36	41
33-44-0725	6546671	1237057	2-65	2 305	18,500	3.59	665	9	12,705	3.56	452	1-69	40	872	-.04	26	44
33-44-0728	6270368	1330987	2-65	1 305	18,260	3.45	630	5	12,880	3.20	412	6-69	36	738	.05	34	47
33-46-0344	5899948	1199324	10-61	2 271	17,590	3.79	666	8	15,570	3.68	573	2-69	40	702	.00	25	39
33-46-0713	6906142	1315578	5-67	1 305	16,320	3.75	612	10	12,630	3.77	476	10-69	36	487	.09	30	38
33-46-0714	6530995	1315578	11-65	2 305	18,475	3.46	640	24	13,135	3.62	476	2-69	40	743	.06	36	49
33-48-0342	6167428	1182696	11-64	3 303	21,027	3.31	697	13	16,587	3.67	609	5-69	42	813	-.04	24	41
33-48-0672	6623533	1308101	5-66	2 299	17,260	3.42	590	8	12,915	3.79	489	10-69	40	987	-.06	27	48
33-48-0741	5913081	1182696	9-63	4 303	17,375	3.30	573	13	13,055	3.75	489	9-69	44	789	-.04	22	39
33-48-0741	6702747	1308101	8-66	2 305	16,940	3.51	595	16	12,925	3.76	486	10-69	40	953	-.04	28	48
33-48-0812	6794514	1308101	11-66	2 304	20,510	3.30	676	12	17,740	3.73	661	2-70	40	876	-.08	20	39
33-48-0812	6794515	1308101	1-67	2 305	19,710	3.60	710	8	17,560	3.70	649	4-70	40	811	-.03	25	42
33-48-0812	6794516	1308101	2-67	2 305	19,525	3.80	742	10	17,570	3.73	656	3-70	40	792	.00	28	44
33-48-0812	6924469	1308101	9-67	1 305	21,020	4.13	869	11	17,650	3.81	672	12-69	36	870	.02	34	51
33-50-0345	6357336	1345354	9-65	3 305	19,290	3.41	657	9	14,916	3.59	535	2-70	41	663	.00	24	37
33-50-0448	6362531	1282185	2-65	2 305	23,125	3.49	806	8	16,775	3.66	614	6-69	40	762	-.04	22	38
33-50-0448	6824632	1315578	2-67	1 305	21,170	3.40	720	35	16,270	3.79	617	11-69	36	605	.05	29	40
33-50-0448	6824635	1308101	5-67	1 305	24,430	4.08	996	37	16,130	3.79	611	11-69	36	1,226	.02	48	72
33-50-0448	7165752	1315578	3-67	1 305	19,250	4.15	798	29	16,010	3.79	607	10-69	36	479	.12	35	41
33-50-0448	7165754	1308101	12-67	1 305	17,970	3.76	675	31	15,860	3.79	601	10-69	36	763	-.02	25	41
33-50-0524	6632302	1383926	12-64	3 263	20,583	3.92	807	18	15,126	3.82	578	12-69	42	932	.05	41	58
33-50-0612	6681904	1315578	8-65	3 300	17,413	4.30	748	12	15,810	3.71	587	12-69	42	408	.16	38	42
33-50-0852	6942454	1315578	7-67	1 300	17,860	4.03	719	8	13,610	3.92	534	8-69	36	536	.10	34	42
33-51-0150	6413300	1242221	5-65	2 305	22,075	3.50	772	17	17,460	3.61	630	12-68	38	1,194	-.02	40	64
33-51-0150	6520853	1242221	10-65	3 305	22,980	3.39	780	19	16,740	3.59	601	2-70	41	1,423	-.03	46	75
33-51-0150	6645745	1315578	9-66	2 305	20,840	3.91	814	11	17,755	3.67	651	11-69	40	561	.12	37	45
33-51-0150	6979535	1315578	9-67	1 305	19,690	3.95	778	13	17,080	3.55	606	11-69	36	440	.13	34	40
33-51-0443	5446578	1182696	5-61	4 304	21,508	3.04	653	15	17,470	3.30	577	9-69	44	809	-.05	22	39
33-51-0443	5693074	1182696	8-62	4 305	22,880	3.09	707	17	17,800	3.44	612	8-69	44	941	-.06	25	45
33-51-0742	7420841	1261857	8-67	1 305	15,910	3.67	584	26	12,800	3.70	474	3-70	36	693	.06	34	46
33-52-0713	6568448	1315578	11-65	2 305	15,715	3.99	627	15	13,100	3.57	468	1-69	40	466	.13	35	41
33-52-0713	6568449	1308101	11-65	3 304	17,056	3.69	630	20	13,600	3.58	487	12-69	42	931	.00	33	52
33-52-0713	6751613	1182696	1-67	2 305	19,250	3.46	666	22	14,735	3.63	535	1-70	40	748	-.01	26	41
33-52-0713	6751619	1315578	9-66	2 305	17,045	3.54	604	17	14,050	3.58	503	12-69	40	514	.08	30	38
33-52-0713	6751624	1308101	11-66	2 304	16,910	3.72	629	21	14,575	3.59	523	1-70	40	800	-.01	28	44
33-52-0713	6751625	1308101	4-66	2 305	16,630	3.48	578	11	12,615	3.60	454	5-69	40	950	-.04	29	49
33-52-0713	7064807	1308101	3-68	1 305	18,470	3.49	644	15	15,070	3.54	534	3-70	36	853	-.03	27	45
33-54-0141	6285758	1352979	6-64	4 300	17,477	3.60	630	8	13,160	3.65	480	1-70	43	788	-.05	21	38
33-54-0672	4433142	1249202	11-56	5 305	23,820	3.04	723	21	16,194	3.56	577	4-69	36	1,335			

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HERDMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST T CALVD C MO-YR D	.....C O W MILK (LBS)	I N D E X..... FAT (%)	FAT (LBS)	DOL- LARS			
33-55-0510	6166806	1329588	8-64	3 305	19,427	3.62	703	12	15,810	3.36	531	1-69	42	671	.01	26	\$ 39
33-55-0510	6166807	1329588	9-64	4 305	18,390	3.64	669	11	15,403	3.34	515	2-70	44	615	.02	25	37
33-55-0510	6683724	1315578	9-66	2 299	17,480	3.75	655	11	15,015	3.54	531	11-69	40	470	.10	32	39
33-55-0718	6394153	1315578	11-65	2 298	17,455	3.65	637	12	15,195	3.42	519	11-68	40	451	.10	31	37
33-55-0718	6514577	1315578	1-66	3 300	17,906	3.57	640	11	15,956	3.38	540	12-69	42	449	.10	30	37
33-55-0718	6687893	1315578	12-66	2 305	18,905	3.70	699	12	16,265	3.39	551	1-70	40	500	.12	35	42
33-55-0719	6648187	1315578	6-66	2 296	15,005	4.06	609	6	12,020	3.88	466	8-69	40	492	.11	33	40
33-55-0841	6655698	1352979	9-66	2 305	19,925	3.34	666	17	14,250	3.53	503	11-69	40	857	-.08	19	38
33-55-0940	5753982	1286632	10-60	5 301	15,816	4.01	634	9	13,858	3.64	505	9-68	40	491	.08	29	37
33-55-0940	6652482	1315578	8-66	2 295	16,635	4.06	676	8	14,570	3.77	549	1-70	40	425	.12	33	38
33-55-0940	6892088	1315578	11-66	1 305	17,540	3.85	676	5	12,550	3.84	482	7-69	36	584	.10	35	44
33-61-0124	4834513	1327165	10-58	7 305	21,696	3.41	739	13	14,891	3.85	574	10-69	35	1,149	-.09	28	53
33-61-0124	6305987	1386406	7-64	3 305	17,856	3.63	649	11	14,703	3.72	547	3-69	42	670	.01	25	38
33-61-0124	6717001	1412432	4-65	3 305	19,456	3.63	706	16	14,930	3.81	569	2-70	36	712	-.02	23	38
33-61-0125	6453050	1261857	1-66	2 305	18,300	3.79	694	19	13,190	3.75	495	2-70	40	953	.07	45	62
33-61-0166	5316258	1182696	2-61	4 302	17,430	3.69	643	19	14,190	3.84	545	11-69	44	669	.00	24	37
33-61-0166	6652392	1308101	11-66	2 305	21,540	3.90	841	27	15,950	3.81	607	1-70	40	1,144	.00	42	65
33-61-0220	5578982	1376335	3-62	5 305	21,414	3.26	698	35	14,606	3.66	534	4-69	34	1,186	-.09	29	55
33-61-0220	6329414	1386859	1-65	3 299	17,953	3.29	590	36	14,550	3.52	512	1-70	41	751	-.03	23	39
33-61-0220	6677726	1308101	11-66	1 305	16,550	3.38	560	61	14,260	3.63	517	7-69	36	765	-.04	22	38
33-61-0220	6720575	1308101	7-66	2 292	18,355	3.48	638	30	14,540	3.45	502	3-70	40	950	-.02	31	50
33-61-0220	6820408	1308101	1-67	1 305	19,420	3.26	634	61	14,260	3.63	517	7-69	36	979	-.06	27	48
33-61-0220	6820410	1308101	4-67	1 305	22,980	3.18	731	61	15,160	3.60	546	10-69	36	1,183	-.07	32	57
33-61-0220	6951656	1308101	1-67	1 305	18,000	3.01	541	47	15,510	3.26	505	3-70	36	789	-.05	21	38
33-61-0220	6999398	1308101	3-67	1 305	16,350	3.30	606	61	14,220	3.64	517	6-69	36	902	-.05	25	44
33-61-0220	6999399	1308101	7-67	1 305	18,480	3.64	673	47	15,510	3.26	505	3-70	36	825	.01	31	47
33-61-0220	7039665	1308101	7-67	1 305	17,390	3.51	610	61	15,660	3.49	547	11-69	36	733	-.02	23	38
33-61-0220	7194158	1308101	3-67	1 305	18,120	3.12	565	67	15,770	3.48	549	12-69	36	780	-.06	20	37
33-61-0222	6557371	1315578	12-65	1 305	17,060	3.97	677	40	12,070	3.79	458	10-68	36	580	.10	36	45
33-61-0244	4848620	1038509	3-59	3 305	19,270	4.08	787	60	14,963	4.01	600	12-68	42	745	-.01	26	41
33-61-0244	5611671	1199324	3-62	4 300	19,160	3.63	695	52	15,362	3.94	606	5-69	44	940	-.05	27	47
33-61-0244	6296359	1352966	3-65	2 305	22,045	3.73	823	58	14,590	3.98	580	8-69	29	1,001	.00	36	56
33-61-0279	6651612	1308101	7-66	2 290	18,040	3.51	633	9	11,870	3.91	464	10-69	40	1,161	-.05	34	58
33-61-0279	7078228	1308101	9-67	1 305	16,090	3.19	513	5	11,740	3.99	468	8-69	36	899	-.08	21	41
33-61-0280	6162193	1418579	8-64	4 305	20,327	3.46	703	11	15,162	3.84	582	1-70	35	998	-.09	22	44
33-61-0282*	6861683	1450228	8-67	1 305	16,160	3.69	597	23	14,140	3.73	528	9-69	33	858	-.03	26	44
33-61-0283	7076025	1315578	8-66	2 305	18,570	3.95	734	5	16,270	3.81	620	3-70	40	466	.11	32	39
33-61-0310	6968832	1387978	12-67	1 305	18,810	3.71	698	10	14,190	3.50	496	3-70	35	771	.01	30	45
33-61-0311	6836757	1315578	4-67	1 305	17,360	3.62	628	10	12,650	4.29	543	10-69	36	564	.05	27	37
33-61-0311	6850064	1315578	5-67	1 305	17,460	3.97	693	8	12,610	4.16	524	11-69	36	574	.08	33	42
33-61-0326	5373606	1344550	5-61	4 300	20,453	3.05	623	34	14,473	3.54	513	2-70	34	1,060	-.11	21	45
33-61-0326	5627478	1394883	8-62	4 301	18,060	3.64	657	37	14,800	3.42	506	2-69	33	728	.01	27	41
33-61-0326	5819079	1303987	4-63	4 304	17,560	4.21	739	36	14,715	3.46	509	1-70	44	667	.14	45	55
33-61-0326	6108588	1247592	4-64	4 305	22,845	3.39	775	37	14,670	3.48	510	1-70	36	1,134	-.05	34	58
33-61-0326	6520039	1394883	2-66	2 305	22,965	2.85	655	42	14,070	3.30	464	6-69	29	1,336	-.13	28	58
33-61-0326	6857464	1458744	8-67	1 305	18,720	3.18	595	23	15,060	3.47	523	10-69	36	839	-.04	24	42
33-61-0327	4600904	1090340	10-57	4 305	18,983	3.36	638	16	15,050	3.71	559	3-69	43	842	-.05	23	41
33-61-0327	6261556	1182696	2-65	3 302	19,247	3.81	734	14	14,503	3.78	548	10-69	42	824	.03	34	50
33-61-0327	6617066	1308101	10-66	1 305	21,070	3.46	729	22	15,430	3.83	591	1-69	36	1,023	-.05	29	51
33-61-0327	6778735	1308101	3-67	1 305	17,640	4.04	713	16	14,150	3.78	535	6-69	36	853	.01	32	49
33-61-0327	6973771	1242221	12-67	1 305	19,740	3.41	674	15	16,650	3.83	637	2-70	34	981	-.04	30	50
33-61-0328	6486673	1303987	1-65	4 304	17,858	3.62	647	14	14,455	3.83	554	4-70	44	732	.01	28	42
33-61-0368	6208714	1182696	1-65	3 305	19,117	3.67	701	16	13,860	3.77	522	6-69	42	876	.01	33	50
33-61-0368	6229585	1282185	2-63	3 305	22,360	3.42	764	20	16,050	3.52	565	3-69	42	836	-.03	25	42
33-61-0368	6566741	1315578	1-66	2 305	20,480	3.39	694	19	14,985	3.81	571	7-69	40	777	.03	32	47
33-61-0368	6689950	1435095	9-66	2 305	21,190	3.51	744	33	16,190	3.78	612	2-70	38	658	.02	26	39
33-61-0414	6445797	1315578	12-65	2 305	18,070	3.70	669	23	13,170	3.74	492	1-69	40	698	.08	37	49
33-61-0414	6778399	1315578	1-66	2 305	17,125	4.28	733	19	12,705	3.78	480	6-69	40	645	.15	45	54
33-61-0414	6780673	1308101	9-66	2 305	19,150	3.45	661	33	13,070	3.90	510	12-69	40	1,165	-.06	33	58
33-61-0414	6851207	1315578	1-67	1 305	16,160	4.07	658	18	13,240	3.81	504	2-69	36	435	.11	32	38
33-61-0414	6851222	1308101	6-67	1 305	17,530	3.92	688	40	12,950	3.91	506	11-69	36	926	-.01	32	51
33-61-0414	6912702	1308101	6-66	1 305	17,430	3.63	633	18	13,000	3.82	496	4-69	36	915	-.03	28	47
33-61-0414	6958747	1308101	7-67	1 305	18,410	3.62	666	36	14,210	3.93	558	2-70	36	907	-.04	27	46
33-61-0414	7090891	1392858	3-68	1 305	19,220	3.57	687	19	14,340	3.91	561	4-70	35	639	.01	25	37
33-61-0449	6753511	1308101	3-67	1 303	19,060	3.47	662	34	14,240	3.87	551	11-69	36	953	-.05	27	47
33-61-0460	6278618	1315578	1-65	3 299	16,796	3.89	654	9	13,466	3.68	495	10-69	42	579	.10	36	45
33-61-0460	6278620	1315578	3-65	3 303	17,120	3.69	632	10	14,770	3.54	523	3-70	42	482	.09	31	38
33-61-0460	6632600	1315578	11-65	2 305	18,230	3.31	603	8	14,160	3.62	513	11-69	40	624	.04	28	39
33-61-0513	6016381	1329588	12-63	3 305	21,430	3.40	729	57	15,037	3.72	559	1-69	42	982	-.06	26	47
33-61-0541	5695490	1386859	9-62	5 304	18,298	4.08	746	45	14,464	3.95	572	7-69	43	844	.05	38</	

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N O E X FAT (%)	FAT (L8)	..... DOL- LARS
33-61-0856	5860848	1244845	4-63	4 305	17,095	4.04	690	15 12,268	3.81	467	6-69	44	791	.02	31	\$ 46
33-61-0856	7265499	1417208	4-67	1 294	18,520	4.16	770	18 12,390	3.83	475	5-69	36	880	.05	39	55
33-61-0940	6604052	1315578	9-65	3 295	17,576	4.36	767	18 14,523	3.61	525	11-69	42	560	.18	46	53
33-61-0940	6604056	1315578	7-66	2 303	19,485	3.74	728	22 15,665	3.54	555	12-69	40	614	.10	37	47
33-61-0940	6604058	1315578	8-66	2 302	21,220	3.50	742	21 15,245	3.57	545	12-69	40	828	.07	40	55
33-61-0940	6731368	1315578	7-66	2 297	18,200	3.73	679	12 14,060	3.52	495	9-69	40	630	.10	38	48
33-61-1147	5991412	1237057	10-63	4 304	20,853	3.06	639	9 15,040	3.50	527	12-69	44	1,011	-.12	19	42
33-61-1340	6429367	1315578	5-65	3 305	19,863	3.80	755	23 13,676	3.76	514	11-69	42	910	.09	46	62
33-61-1340	6429368	1315578	6-65	3 305	16,390	3.86	632	21 13,390	3.76	504	11-69	42	540	.09	33	41
33-61-1340	6609092	1315578	4-66	2 305	15,980	3.73	596	16 13,165	3.81	502	10-69	40	487	.08	29	37
33-61-1340	7155338	1242221	1-68	1 305	19,690	3.65	718	31 14,490	3.77	546	3-70	34	1,126	-.01	39	62
33-61-1351	7058256	1308101	7-67	1 305	19,380	3.52	683	17 14,510	3.65	529	3-70	36	959	-.03	30	50
33-61-1512	6450746	1182696	10-65	3 305	20,233	3.63	735	14 15,200	3.82	580	12-69	42	866	.00	31	48
33-61-1512	6524453	1182696	1-66	2 305	19,340	3.88	751	12 15,050	3.88	584	11-69	40	728	.03	31	45
33-61-1518	6864358	1386859	8-67	1 305	18,310	3.89	713	20 15,040	3.84	578	10-69	35	641	.03	27	39
33-61-1719	6194837	1315578	11-64	3 305	18,156	3.93	714	17 14,350	3.64	523	3-69	42	644	.11	40	50
33-61-1731	5183111	1182696	10-60	3 302	17,233	4.22	728	22 14,920	3.77	562	2-69	42	550	.08	32	41
33-61-1731	5650111	1386859	8-62	6 304	19,856	3.29	653	27 14,185	3.79	537	9-69	43	1,082	-.06	30	53
33-61-1731	6357937	1315578	7-65	3 305	17,763	3.69	655	28 15,026	3.64	547	12-69	42	529	.08	31	39
33-61-1732	6825087	1308101	5-66	1 305	19,050	3.75	714	10 14,290	3.81	544	3-69	36	949	-.02	31	50
33-61-1843	6346778	1314767	3-65	3 305	16,553	3.44	570	23 11,840	3.77	446	10-69	42	705	-.02	23	37
33-61-6324	6660435	1308101	7-66	1 305	20,220	3.82	772	7 17,630	3.99	703	1-69	36	812	-.03	25	42
33-61-6347	5912109	1132993	8-63	3 305	21,127	3.69	779	13 16,240	3.92	636	2-69	42	683	-.01	23	37
33-61-6478	5093558	1199007	5-57	3 305	18,677	4.48	836	32 15,073	3.74	563	2-69	33	458	.16	39	44
33-62-0111	6536254	1308101	2-66	2 305	18,735	3.31	620	17 15,530	3.52	547	10-69	40	898	-.05	25	44
33-62-0112	6906158	1315578	5-67	1 305	20,810	3.98	828	28 15,640	3.71	580	11-69	36	620	.11	39	48
33-62-0150	6186272	1441575	9-64	3 305	18,810	3.55	668	12 14,883	3.46	515	3-69	32	688	.01	26	39
33-62-0413	5675522	1386859	8-62	4 305	15,542	3.89	604	25 13,475	3.73	503	11-69	42	593	.04	27	38
33-62-0413	6779225	1330987	3-67	1 298	15,480	4.08	631	13 13,040	3.77	491	7-69	36	520	.07	29	38
33-62-0442	6084378	1330987	2-64	4 305	17,475	3.60	629	21 14,300	3.59	513	11-69	44	702	.04	31	44
33-62-0570	5689904	1182696	10-62	3 305	21,373	3.63	776	18 16,340	3.82	624	6-69	42	879	.00	31	49
33-62-0570	6310591	1329588	12-64	3 305	19,987	3.74	747	17 15,910	3.77	600	6-69	42	725	-.01	24	39
33-62-0570	6369051	1244845	5-65	2 305	21,280	3.65	776	11 16,470	3.76	620	1-69	40	742	-.04	21	37
33-62-0570	6596886	1308101	5-66	2 305	18,310	3.51	643	9 15,975	3.67	586	10-69	40	814	-.04	24	41
33-62-0570	6777383	1308101	1-67	1 305	19,830	3.51	697	16 16,660	3.79	631	4-69	36	848	-.04	24	42
33-62-0570	6783096	1308101	10-66	2 305	22,660	3.61	819	10 16,805	3.79	637	3-70	40	1,180	-.04	37	61
33-62-0570	7031060	1308101	11-67	1 305	22,270	3.43	763	8 16,460	3.78	623	1-70	36	1,043	-.05	30	52
33-62-0733	6977447	1308101	8-67	1 267	17,530	4.14	725	7 15,930	3.53	563	11-69	36	726	.03	31	45
33-62-0843	6399631	1182696	11-64	2 300	17,000	3.57	607	15 11,830	4.00	473	1-69	40	785	-.02	26	42
33-68-0370	5256710	1357586	10-60	5 305	18,220	4.06	739	17 14,704	3.65	537	10-68	36	701	.09	38	50
33-68-0370	6630251	1308101	8-66	1 305	17,960	3.69	662	18 15,290	3.51	536	12-68	36	801	-.01	28	44
33-68-0370	6630252	1308101	9-66	1 274	20,670	3.35	693	18 16,330	3.38	552	5-69 8	36	933	-.03	29	48
33-68-0370	6798332	1308101	4-67	1 57	17,800	3.62	644	16 15,930	3.36	535	11-69 8	36	746	.00	27	42
33-69-0115	6302525	1315578	12-64	4 293	17,347	3.71	643	14 15,042	3.68	553	2-70	44	496	.08	29	37
33-69-0115	6499463	1308101	12-65	3 304	18,310	3.16	579	12 15,020	3.62	544	4-70	42	928	-.08	21	42
33-69-0143	6484213	1315578	11-65	2 305	15,155	3.82	579	7 12,615	3.67	463	5-69	40	453	.10	31	37
33-69-0148	6761715	1244009	10-66	2 305	19,905	3.20	636	31 14,015	3.57	500	1-70	40	1,036	-.09	24	47
33-69-0170	6268675	1271075	11-64	3 305	19,847	3.41	676	16 14,570	3.64	531	7-69	42	1,042	-.04	32	54
33-69-0243	7001617	1308101	8-66	1 299	16,610	3.37	559	13 11,860	3.95	468	8-69	36	930	-.06	25	45
33-69-0246	6414627	1271075	7-64	4 293	16,440	3.51	577	15 14,285	3.51	501	8-69	43	683	.00	24	38
33-69-0272	6427854	1308101	11-65	2 305	21,530	3.41	734	14 17,395	3.59	624	2-70	40	1,011	-.04	30	51
33-69-0272	6682490	1308101	3-66	1 305	20,100	3.45	694	8 17,400	3.63	631	4-69	36	819	-.04	24	41
33-69-0344	6184625	1271075	7-64	1 305	17,080	3.45	590	17 12,760	3.68	469	9-68	35	780	-.02	25	41
33-69-0344	6490354	1244009	10-65	2 305	19,490	3.63	707	21 14,875	3.58	532	11-69	40	916	-.03	28	47
33-69-0712	6295656	1271075	1-65	3 305	19,983	3.39	677	19 15,197	3.63	552	11-69	42	992	-.04	30	51
33-69-0716	5673888	1010936	8-62	5 305	19,156	3.56	682	16 15,454	3.65	564	6-69	44	673	.00	25	38
33-69-0716	6197757	1315578	8-64	3 300	19,140	3.67	702	16 15,850	3.63	576	10-69	42	602	.08	34	44
33-69-0740	6771432	1308101	3-67	1 305	16,720	3.56	595	10 14,250	3.63	517	3-69	36	778	-.03	24	40
33-69-0740	7031334	1392858	2-68	1 305	16,300	4.43	722	9 14,100	3.65	515	2-70	35	432	.11	31	37
33-69-0911	6329947	1182696	12-64	4 305	15,548	4.25	661	19 13,833	3.72	515	4-70	44	477	.09	30	37
33-69-0911	6449640	1182696	3-64	2 305	17,895	3.67	656	13 12,685	3.65	463	10-68	40	798	.02	32	47
33-70-0170	6995436	1315578	5-66	1 305	17,440	4.28	746	9 13,930	3.68	512	2-70	36	484	.14	38	44
33-70-0211	5766661	1261381	2-63	3 305	19,347	3.59	694	5 12,340	3.78	467	12-69	41	652	.02	26	38
33-70-0670	6462402	1315578	12-64	3 305	19,433	3.82	743	17 15,526	3.77	586	5-69	42	669	.09	37	48
33-70-0670	6899090	1308101	12-66	2 305	18,860	3.29	620	37 15,950	3.75	598	12-69	40	872	-.08	20	39
33-70-0670	7056996	1308101	11-67	1 301	17,050	3.65	622	41 15,290	3.81	582	9-69	36	733	-.03	22	37
33-70-0770	6482586	1386859	9-65	3 301	18,196	3.64	662	23 15,243	3.52	537	1-70	41	706	.02	29	42
33-70-0770	6603109	1386859	10-65	3 302	17,630	3.66	645	24 14,896	3.50	522	12-69	41	676	.03	29	42
33-77-0441	5952658	1237057	12-63	2 305	19,695	3.53	696	21 14,275	3.83	547	12-69	40	850	-.07	21	39
33-78-0210	6726855	1308101	2-67	1 305	16,470	3.66	602	22 13,950	3.84	535	9-69	36	780	-.03	23	39
33-78-0210	6824710	1308101	6-67	1 300	17,410	3.52	613	24 14,800	3.85	570	10-69	36	793	-.04	22	39
33-78-0210	6824711	1308101	6-67	1 305												

TABLE 3. HOLSTEIN US0A-OH1A HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CQOE	..REGISTRATION... COW NUM8ER	SIRE NUM8ER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	OOL- LARS
33-85-0672	6142474	1315578	11-63	4 302	16,055	3.93	631	13 14,137	3.74	529	4-69	44	437	.11	31	\$ 37
33-86-0115	6715395	1199324	9-65	1 305	17,770	3.91	695	8 15,520	3.67	570	1-70	36	690	.01	26	39
33-86-0151	5589494	1314767	3-62	3 301	18,136	3.90	708	11 14,230	3.66	521	9-69	42	639	.05	31	42
33-86-0151	5844250	1315578	2-63	5 305	15,524	4.01	623	16 13,122	3.73	490	10-69	44	494	.12	35	42
33-86-0151	6303581	1315578	11-64	3 305	18,133	3.47	629	12 13,936	3.62	504	5-69	42	684	.06	33	45
33-86-0151	6926424	1330987	2-67	1 305	18,020	4.43	799	21 15,900	3.76	598	12-68	36	517	.11	34	42
33-86-0151	7006766	1417208	1-67	1 305	15,710	4.46	700	21 14,100	3.70	521	8-69	36	556	.07	30	39
33-86-0153	5947847	1425695	11-63	3 305	19,213	3.86	741	21 14,826	3.65	541	12-68	32	752	.03	32	46
33-86-0157	5718214	1237057	10-62	3 305	18,163	3.68	669	29 12,050	3.54	427	11-68	42	968	-.02	32	52
33-86-0280	6552870	1315578	9-65	2 305	16,985	3.93	667	23 13,805	3.93	543	11-68	40	530	.09	32	40
33-86-0280	6856943	1308101	4-67	1 305	15,380	4.29	660	29 13,880	4.09	568	9-69	36	703	.00	26	40
33-86-0280	6969212	1308101	5-67	1 305	21,950	3.58	785	27 13,990	4.10	574	10-69	36	1,185	-.06	34	59
33-86-0280	7001973	1392858	1-68	1 305	17,820	4.51	803	27 13,740	4.16	572	1-70	35	573	.08	33	42
33-86-0311	6304617	1315578	2-65	3 302	15,500	4.03	624	28 12,853	3.84	493	12-69	42	494	.11	33	40
33-86-0313	5652433	1315578	9-62	5 305	16,626	4.01	667	16 14,340	3.89	558	7-69	44	495	.10	33	40
33-86-0313	6433977	1315578	12-65	3 301	16,416	4.14	679	22 14,606	3.75	547	3-70	42	418	.13	34	39
33-86-0313	6828682	1315578	12-66	1 305	20,580	3.67	755	25 14,980	3.94	590	9-69	36	647	.07	33	44
33-86-0340	6171018	1329588	9-64	1 305	19,700	3.35	660	5 12,400	3.86	479	11-68	36	790	-.06	20	37
33-86-0362	6733540	1360676	10-66	2 293	19,565	3.39	664	15 16,815	3.81	640	2-70	38	757	-.04	21	37
33-86-0411	5355363	1302813	9-60	2 293	19,345	4.04	781	20 15,320	3.83	586	3-69	36	660	.03	28	40
33-86-0411	6592829	1314767	8-65	3 305	18,486	4.21	779	15 15,996	3.81	609	4-70	42	497	.09	31	39
33-86-0411	6592832	1377052	9-65	2 305	16,830	4.58	770	12 14,035	4.01	563	9-69	40	474	.09	30	37
33-86-0412	5858665	1315578	3-63	4 279	16,517	3.86	638	16 13,725	3.78	519	7-69 8	44	539	.09	33	41
33-86-0443	6645596	1261857	9-66	1 300	17,860	4.54	811	10 15,350	4.05	621	3-69 8	36	668	.12	41	51
33-86-0443	6769226	1261857	1-67	1 283	16,610	4.00	665	22 14,910	4.12	614	11-68	36	604	.06	31	41
33-86-0473	6803786	1314767	9-65	3 292	17,640	3.74	660	14 13,853	3.67	508	2-70	42	621	.03	27	39
33-86-0511	5356391	1182696	3-61	4 305	17,565	3.72	653	7 13,725	3.72	511	11-69	44	738	.02	29	43
33-86-0541	6410053	1315578	10-65	3 293	16,130	4.16	671	13 14,326	3.87	555	2-70	42	414	.12	32	37
33-86-0541	6586047	1315578	5-66	2 305	15,765	4.17	658	14 13,360	3.75	501	7-69	40	447	.13	35	41
33-86-0541	6874637	1308101	9-67	1 305	15,310	4.70	719	15 13,720	4.10	562	12-69	36	709	.03	30	43
33-86-0541	6874638	1308101	9-67	1 305	16,680	3.56	594	15 13,720	4.10	562	12-69	36	811	-.06	21	38
33-86-0542	7081430	1261857	11-66	1 305	16,590	4.36	724	25 14,740	3.89	574	8-69	36	614	.11	38	47
33-86-0574	6735020	1373055	11-65	3 305	21,053	3.29	692	12 14,523	3.61	525	4-70	42	991	-.09	22	44
33-86-0574	7000914	1320371	2-67	1 305	20,240	3.69	746	11 14,150	3.53	499	5-69	35	719	.01	27	41
33-86-0612	5735218	1237057	12-62	4 305	18,173	3.71	675	30 14,265	3.81	544	1-70	44	766	-.05	21	37
33-86-0612	6132509	1182696	8-64	4 305	18,768	3.72	699	33 13,638	3.83	523	12-69	44	896	.01	34	51
33-86-0612	6653765	1308101	10-66	2 305	15,285	3.65	558	37 13,325	3.89	519	11-69	40	749	-.04	21	37
33-86-0612	6653766	1308101	10-66	2 299	15,840	3.88	614	39 13,635	3.87	528	12-69	40	777	-.01	26	42
33-86-0612	6866935	1308101	4-67	1 305	16,060	3.48	559	36 13,540	3.92	531	12-69	36	777	-.05	21	38
33-86-0619	6325647	1415090	10-63	3 305	19,597	3.99	782	5 15,747	3.51	552	10-69	30	481	.10	32	39
33-86-0723	6574273	1303180	10-65	2 305	17,575	3.73	655	22 13,205	3.69	487	6-69	31	625	.02	25	37
33-86-0723	6822304	1330987	2-67	1 305	16,630	3.79	631	22 13,500	3.80	513	5-69	36	575	.04	27	37
33-86-0730	6392587	1417208	5-65	3 302	21,140	3.47	734	18 15,160	3.85	584	11-69	42	1,096	-.04	33	56
33-86-0730	6608557	1315578	11-65	2 305	20,260	3.83	775	21 16,035	3.71	595	7-69	40	659	.10	38	49
33-86-0749	7171458	1261857	2-67	1 305	18,790	3.44	647	14 14,340	3.68	527	9-69	36	805	.04	35	50
33-86-0841	6054091	1315578	3-64	4 305	16,662	4.12	686	11 13,395	3.82	512	11-69	44	594	.12	39	48
33-86-0841	6153252	1182696	9-64	4 305	16,235	3.95	641	11 13,415	3.89	522	11-69	44	608	.03	27	38
33-86-0841	6161668	1315578	11-64	3 305	16,813	4.14	696	6 14,103	3.68	519	6-69	42	515	.14	39	46
33-86-0841	6256031	1315578	1-65	3 305	15,533	3.86	600	9 13,330	3.76	501	8-69	42	448	.10	30	37
33-86-0847	6587479	1303198	9-65	3 304	20,877	3.90	815	18 16,583	3.59	595	1-70	42	697	.05	33	45
33-86-0847	6731561	1373055	9-66	2 302	21,520	3.75	806	15 16,810	3.58	601	10-69	40	748	-.01	25	40
33-86-0851	5499292	1179372	12-61	3 305	15,463	4.38	677	10 12,300	3.60	443	4-69	42	558	.10	35	44
33-86-0941	6056270	1315578	1-64	5 298	16,760	4.15	696	12 14,036	3.83	538	1-70	44	547	.13	39	47
33-86-9110	6262250	1406520	8-64	3 305	19,740	3.70	731	16 13,600	3.76	512	4-69	32	925	.00	33	51
33-86-9110	6508580	1406520	12-64	3 299	18,486	4.11	759	14 13,856	3.74	518	3-69	32	724	.07	37	49
33-86-9110	6769987	1406520	9-66	1 305	19,580	3.94	772	19 13,900	3.87	538	11-69	24	621	.02	26	38
33-86-9141	6145402	1428104	9-64	4 305	18,282	3.64	665	20 14,900	3.73	556	1-70	41	967	-.07	25	46
33-86-9141	6499702	1242221	1-66	2 304	16,635	3.64	605	23 14,555	3.64	530	6-69	38	899	.00	32	50
33-86-9146	5242973	1182696	2-61	3 305	18,653	3.55	663	15 14,700	3.73	549	5-69	42	736	.00	26	41
33-86-9146	6566302	1242221	11-65	3 300	16,597	3.42	567	21 13,887	3.93	546	8-69	41	971	-.06	26	47
33-86-9146	6566303	1315578	1-66	3 305	18,106	3.71	672	22 14,660	3.83	561	1-70	42	606	.07	32	42
33-87-0511	6396347	1386859	8-65	3 305	20,026	3.65	730	16 14,633	3.87	567	9-69	41	984	-.01	34	54
33-87-0511	7073021	1308101	2-68	1 305	21,600	3.62	782	24 16,510	3.77	622	12-69	36	990	-.03	31	51
33-87-0515	6807157	1308101	5-67	1 305	15,650	4.13	646	17 13,680	3.46	473	9-69	36	737	.03	31	45
33-87-0711	6363192	1315578	1-64	3 305	16,447	3.99	656	16 14,183	3.77	535	2-69	42	465	.11	33	39
33-87-0711	6458125	1315578	5-64	3 305	16,166	3.93	636	15 13,650	3.75	512	6-69	42	488	.11	33	40
33-87-0711	7062902	1308101	7-67	1 305	16,530	3.33	551	12 11,760	3.67	432	8-69	36	931	-.04	27	47
33-87-0740	6122806	1315578	6-64	3 301	15,956	4.25	678	19 12,436	3.76	468	9-68	42	589	.14	42	50
33-92-0242	6439845	1352953	9-65	3 305	19,386	3.61	699	14 13,396	3.62	485	12-69	42	704	.01	27	41
33-92-0242	6942018	1308101	11-67	1 305	16,240	3.16	513	8 14,130	3.32	469	3-70	36	750	-.04	21	37
33-92-0447	6966363	1315578	11-67	1 305	18,420	3.63	668	34 13,780	3.65	503	11-69	36	567	.09	33	42
33-92-0447	6966365	1392858	11-67	1 305	17,200	4.05	696									

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	PRODUCTION MILK (LBS)	FAT (%)	FAT (LBS)	HERDMATE NO.	AVERAGES... MILK (LBS)	FAT (%)	FAT (LBS)	LAST CALVD MO-YR	T C O	.....C O W REPT (%)	MILK (LBS)	I N D E X..... FAT (%)	FAT (LBS)	..... OOL- LARS
33-96-0172	6413310	1277619	9-65	2	305	21,315	3.49	743	15	15,515	3.65	566	11-68	40	772	-.05	20	\$ 37
33-96-0172	6661265	1242221	6-66	2	303	16,090	3.61	581	17	14,130	3.43	485	9-69	38	882	.01	34	51
33-96-0350	4989811	1254335	12-59	7	304	18,089	3.91	707	12	14,289	3.45	493	9-69	35	545	.09	32	41
33-96-0351	6337584	1432745	4-65	3	303	19,613	3.33	653	16	13,840	3.63	502	11-69	32	851	-.05	23	41
33-96-0352	6154828	1283917	6-64	3	305	26,733	3.05	816	23	16,916	3.65	618	6-69	42	1,416	-.18	24	57
33-96-0352	6454765	1182696	11-65	2	305	19,335	3.99	772	28	17,340	3.54	614	5-69	40	519	.08	30	38
33-96-0352	6711029	1330987	1-67	1	305	18,950	3.96	750	27	16,930	3.73	631	7-69	36	518	.06	28	37
33-96-0443	6619014	1222994	2-65	3	305	15,847	3.79	601	10	12,147	3.70	450	9-69	42	696	.01	27	40
33-96-0713	5309492	1340696	1-61	6	300	16,328	3.36	549	8	11,745	3.54	416	4-69	35	854	-.05	24	42
33-96-0720	5748223	1182696	9-62	4	303	17,498	4.11	719	14	14,465	3.64	526	11-69	44	647	.09	36	47
33-96-0720	6450059	1315578	10-65	2	305	20,730	4.11	851	17	13,470	3.67	494	9-69	40	941	.14	55	70
33-96-0720	6476572	1386859	10-65	2	305	19,085	3.85	734	13	13,910	3.61	502	11-68	39	895	.05	39	56
33-96-0722	4262672	1228275	9-56	11	305	17,271	3.94	681	13	14,546	3.63	528	3-70	35	519	.08	30	38
33-96-0722	6959363	1458744	10-67	1	305	16,580	3.54	587	21	14,430	3.66	528	11-69	36	722	-.02	23	38
33-96-0810	6649072	1330987	10-66	1	305	17,040	4.32	736	8	14,970	3.63	543	3-69	36	507	.10	33	41
33-96-9812	5805406	1355392	9-62	4	305	20,385	3.94	804	11	16,680	3.64	607	6-69	33	630	.06	32	43
33-96-9812	5823038	1199324	3-63	5	305	19,032	3.61	687	12	15,540	3.68	572	3-70	44	918	-.02	30	49
33-98-0142	6725075	1308101	10-66	1	305	17,340	3.97	688	11	14,870	3.62	539	12-69	36	783	.01	30	45
33-98-0176	6410525	1330987	6-64	3	305	16,360	3.61	591	12	13,837	3.58	495	3-69	42	602	.04	27	38
33-98-0514	6856125	1261857	8-67	1	305	16,190	3.87	627	14	12,010	3.63	436	3-70	36	767	.08	40	53
33-98-0514	6856129	1261857	6-67	1	305	16,170	3.59	580	6	11,670	3.68	429	4-70	36	789	.06	37	51
33-98-0530	6735210	1301864	12-66	1	305	22,640	3.56	806	24	14,640	3.72	544	10-69	36	778	.01	29	44
33-98-0530	6761815	1377954	11-66	1	305	17,920	3.83	686	22	14,970	3.65	547	11-69	36	599	.04	27	38
33-98-0548	5419753	1315578	10-61	6	305	17,648	4.11	725	10	14,235	3.64	518	8-69	44	639	.15	45	54
33-98-0548	5467316	1315578	12-61	6	305	19,513	3.66	715	11	13,910	3.68	512	11-69	44	917	.07	44	60
33-98-0548	6333560	1315578	11-64	3	305	18,256	3.84	701	12	14,823	3.60	534	9-69	42	607	.11	38	47
33-98-0548	6473856	1315578	9-65	2	305	19,075	3.54	676	20	14,965	3.80	568	8-69	40	636	.06	31	42
33-98-0548	6552118	1315578	12-65	2	305	17,375	4.21	732	20	14,965	3.80	568	8-69	40	464	.14	37	43
33-98-0548	6553878	1303198	7-65	2	305	19,180	4.20	805	27	15,745	3.81	600	10-69	40	546	.06	29	38
33-98-0615	6289762	1386859	11-64	4	305	19,557	4.00	782	11	15,927	3.92	625	12-69	42	821	.04	36	51
33-98-0741	6389567	1386859	2-65	1	305	20,630	3.57	737	9	13,980	3.78	529	5-69	35	892	.00	32	50
33-98-0848	5463165	1179372	12-61	5	305	17,540	3.54	621	22	13,642	3.77	514	12-68	44	704	-.02	23	37
33-98-0848	6163044	1249430	9-64	2	305	18,345	4.37	802	26	13,755	3.80	523	10-69	40	569	.09	34	43
33-98-9170	6805521	1315578	1-66	2	305	17,595	4.77	840	18	14,925	3.82	570	1-70	40	490	.20	47	52
33-98-9170	6805552	1308101	2-67	1	305	21,150	3.15	667	20	15,810	3.88	613	2-70	36	1,004	-.09	23	45
34-03-0944	6296507	1315578	1-65	4	303	21,167	3.51	744	9	17,410	3.50	610	2-70	44	704	.07	36	48
34-03-0006	6174763	1244009	9-64	3	303	19,247	3.84	739	10	16,050	3.73	598	7-69	42	815	-.02	27	44
34-03-0006	6325327	1244009	3-65	3	305	18,467	3.93	726	9	15,607	3.92	612	6-69	42	771	-.03	24	40
34-03-0009	5380197	1156779	3-61	6	305	20,370	3.53	719	22	16,107	3.63	585	3-69	44	754	.01	28	43
34-03-0009	5738816	1225575	12-62	4	295	20,710	3.56	738	14	16,640	3.62	603	3-69	43	650	.00	24	37
34-03-0009	6662190	1267271	10-66	2	305	22,025	4.06	894	41	17,245	3.80	656	12-69	40	821	.02	32	48
34-03-0050	5824544	1283917	1-63	4	305	20,297	3.51	712	13	15,580	3.65	569	12-69	44	850	-.09	18	37
34-03-0050	5999254	1283917	12-63	4	305	20,380	3.97	809	13	15,427	3.71	573	3-70	44	877	-.01	30	48
34-03-0050	6670188	1330987	11-66	1	305	18,590	4.01	745	24	15,050	3.75	565	5-69	36	617	.07	32	43
34-03-0050	6757024	1330987	12-66	1	305	17,700	4.26	754	24	15,050	3.75	565	5-69	36	550	.09	33	42
34-03-0053	5632678	1296419	4-62	5	290	21,058	3.52	741	21	14,884	3.71	552	1-69	36	1,076	-.04	33	55
34-03-0053	5957863	1411387	8-63	4	305	16,615	4.12	685	17	13,533	3.81	516	12-69	33	480	.08	29	37
34-03-0090	4407458	769170	5-57	5	305	20,346	3.47	705	16	14,574	3.53	514	3-69	44	815	.00	29	45
34-03-0090	5571397	1368047	10-61	6	305	16,060	4.05	650	14	14,082	3.44	484	2-70	35	446	.12	33	39
34-03-0090	5633330	1368047	1-62	5	301	18,794	3.76	706	9	13,926	3.63	506	11-69	35	880	.04	38	54
34-03-0090	5878385	1382176	9-62	4	305	19,775	3.51	694	10	14,525	3.50	509	11-69	42	748	-.03	22	38
34-03-0178	5615427	1325241	2-62	5	305	22,506	3.59	807	15	15,664	3.53	553	1-69	36	1,342	-.02	46	73
34-03-0219	6143405	1436806	10-64	3	305	20,703	3.45	714	6	14,756	3.72	549	3-70	34	910	-.05	26	45
34-03-0219	6301529	1436806	1-65	3	305	20,533	3.54	727	6	15,016	3.70	555	3-70	34	856	-.03	27	45
34-03-0219	6555120	1436806	3-66	2	305	21,400	3.42	731	7	14,900	3.67	547	10-69	31	892	-.05	25	44
34-03-0259	6082538	1399433	5-64	4	301	22,537	2.93	660	12	15,437	3.81	588	2-70	35	1,232	-.21	12	42
34-03-0795	6010493	1330987	9-63	2	305	18,255	3.57	651	11	14,835	3.50	519	12-69	40	680	.04	31	43
34-06-0014	5494382	1258981	11-61	6	305	16,848	3.42	576	13	13,673	3.60	492	12-69	44	704	-.01	24	38
34-08-0014	4970452	1285876	1-60	6	305	16,917	3.27	554	24	13,835	3.50	484	3-70	37	779	-.06	20	37
34-08-0025	6997396	1330987	11-67	1	305	19,490	3.99	778	20	16,740	3.38	565	1-70	36	570	.10	35	44
34-08-0029	6302608	1341636	4-64	4	297	18,410	4.12	758	21	14,513	3.74	543	11-69	33	727	.09	40	52
34-08-0029	6660197	1258981	7-66	2	305	21,385	3.59	768	17	18,020	3.59	647	2-70	40	700	.02	28	41
34-08-0029	6738637	1308101	10-66	2	305	22,135	3.43	760	13	17,790	3.68	655	3-70	40	1,036	-.06	29	51
34-08-0029	6974798	1426616	3-67	1	305	21,780	3.59	782	25	18,020	3.55	640	1-70	27	858	.02	34	50
34-08-0048	6739345	1336050	12-66	1	305	19,420	3.55	690	15	13,910	3.58	498	12-69	35	872	.00	31	48
34-08-0048	6852104	1336050	3-67	1	305	18,120	3.65	662	20	13,530	3.59	486	1-70	35	800	.01	30	46
34-08-0056	6392754	1237057	10-65	3	305	21,013	3.21	674	12	15,570	3.61	562	3-70	42	931	-.10	18	39
34-08-0079	5395739	1258981	4-61	6	305	20,263	4.23	858	9	16,625	3.70	615	1-70	44	802	.12	46	59
34-08-0079	5395740																	

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C DC O W REPT (%)	I N O E X..... MILK (LB)	FAT (%)	FAT (LB)	OOL- LARS
34-13-0022	5780195	1199324	11-62	4 305	19,197	4.02	772	15 17,420	3.71	646	3-69	44	716	.04	32	\$ 45	
34-13-0022	5780196	1199324	12-62	4 303	23,482	3.70	869	19 17,307	3.71	642	2-69	44	1,257	.00	45	70	
34-13-0022	5941241	1199324	12-63	5 300	22,596	3.77	852	19 17,708	3.76	665	12-69	44	1,126	.00	40	62	
34-13-0022	6189648	1432091	10-64	4 296	20,070	4.47	898	17 17,675	3.77	666	2-70	30	421	.16	38	42	
34-13-0049	6174047	1244009	9-64	1 305	24,330	3.39	826	15 15,090	3.28	495	10-69	36	1,163	-.05	35	59	
34-13-0049	6417919	1222994	12-64	1 305	20,580	3.54	729	14 15,370	3.31	509	9-69	36	720	.01	28	42	
34-13-0090	5747581	1374556	2-63	5 302	17,002	3.66	623	29 12,288	3.85	473	10-69	36	791	-.02	25	41	
34-13-0143	7432677	1428145	12-67	1 305	22,200	3.50	776	6 15,540	3.64	566	12-69	33	903	-.05	25	44	
34-13-0153	5320954	1199324	1-61	4 302	21,062	3.24	683	9 16,860	3.45	581	3-69	44	1,008	-.06	28	49	
34-13-0153	6011969	1199324	10-63	4 305	20,190	3.39	684	10 16,125	3.47	560	5-69	44	982	-.03	31	51	
34-13-0153	6197609	1199324	9-64	4 303	18,977	3.27	621	9 15,215	3.54	539	12-69	44	934	-.06	25	45	
34-13-0163	6544243	1445295	7-65	3 305	20,653	3.73	770	38 15,686	3.70	581	11-69	32	934	.02	37	55	
34-13-0163	6544245	1445295	11-65	2 305	20,635	3.37	696	45 16,310	3.57	583	9-69	29	795	-.02	25	41	
34-13-0167	6817329	1336050	8-66	1 305	16,450	3.81	627	28 14,480	3.54	512	7-69	35	609	.03	26	37	
34-13-0167	7315164	1336050	7-67	1 305	17,060	3.62	617	28 14,480	3.54	512	7-69	35	655	.01	25	38	
34-13-0191	6536500	1330987	6-65	3 300	19,650	4.09	803	18 15,827	3.65	578	12-69	42	774	.10	43	56	
34-13-0191	7019812	1336050	7-67	1 293	20,230	3.28	663	17 14,700	3.64	535	9-69	35	880	-.03	27	45	
34-13-0191	7067135	1393854	9-67	1 305	19,690	3.61	711	23 15,440	3.63	560	11-69	33	578	.04	26	37	
34-13-0208	7083452	1336050	8-66	2 294	17,040	3.52	599	8 13,120	3.57	469	3-70	40	820	.00	29	45	
34-13-0226	6792652	1336050	10-66	1 305	17,300	3.95	683	10 15,170	3.67	556	1-69	35	626	.03	27	39	
34-18-0002	5112868	1112211	1-60	7 305	18,836	3.76	708	23 14,796	3.81	564	7-69	44	901	-.02	29	47	
34-18-0002	6267325	1330587	9-64	3 305	18,007	3.70	667	21 14,540	3.75	545	5-69	42	718	.03	31	44	
34-18-0175	5993816	1381745	6-63	4 305	17,897	3.78	676	18 13,230	3.79	501	9-69	35	723	.01	27	41	
34-19-0005	6169716	1267271	11-64	4 305	18,495	3.50	648	13 13,933	3.70	516	3-70	44	849	-.06	22	40	
34-19-0018	5260446	1320589	9-60	6 305	18,435	3.70	683	439 13,520	3.58	484	3-69	36	811	.01	30	46	
34-19-0018	5621644	1385889	3-62	2 305	21,945	3.74	820	317 15,105	3.61	545	2-69	30	899	.02	35	52	
34-19-0018	5731038	1303180	8-62	4 305	18,300	3.68	673	297 13,980	3.59	502	4-69	35	724	.02	29	43	
34-19-0018	5737841	010263870	9-59	5 305	18,718	3.90	730	384 14,418	3.55	512	2-69	32	689	.07	35	47	
34-19-0018	5756510	1303180	10-62	5 299	17,818	3.64	648	306 13,916	3.56	496	3-69	36	685	.02	28	41	
34-19-0018	5516366	1303180	10-63	4 305	20,275	3.38	686	279 14,578	3.59	524	2-70	35	927	-.04	28	47	
34-19-0018	5943177	1303180	8-63	4 305	19,138	4.26	816	339 14,058	3.61	507	2-70	35	833	.13	49	62	
34-19-0018	5968191	1303180	9-63	4 304	17,580	3.65	642	324 14,060	3.59	505	10-69	35	613	.02	25	37	
34-19-0018	6015916	1413165	9-63	4 251	18,677	3.95	738	222 15,310	3.74	572	6-69	44	747	-.04	21	37	
34-19-0018	6091259	1396768	12-62	4 304	19,200	3.83	735	393 15,158	3.64	551	6-69	43	683	.02	28	41	
34-19-0018	6156055	1303180	3-64	3 305	16,713	4.16	695	344 13,837	3.61	499	3-69	34	495	.09	31	39	
34-19-0018	6240339	1303180	9-64	3 305	16,527	4.10	677	312 13,560	3.65	495	10-68	34	503	.08	29	37	
34-19-0018	6253984	010269026	7-61	5 305	19,762	3.33	659	359 14,698	3.67	540	12-69	32	815	-.06	20	38	
34-19-0018	6277000	1303180	11-64	3 305	19,520	3.52	687	352 13,937	3.61	503	6-69	34	853	-.01	30	47	
34-19-0018	6279136	1330478	10-64	4 305	19,372	3.33	646	359 13,620	3.74	510	1-70	35	860	-.07	20	39	
34-19-0018	6386303	1303180	6-65	2 305	17,580	3.80	668	405 12,840	3.67	471	9-68	31	664	.03	28	40	
34-19-0018	6435580	1303180	8-65	2 305	20,180	3.57	720	310 14,540	3.60	524	4-69	31	790	.00	28	44	
34-19-0018	6440596	1406271	1-66	2 305	16,605	4.16	691	567 13,440	3.65	490	7-69	40	747	.09	40	53	
34-19-0018	6473946	1303180	9-65	2 305	19,380	3.47	672	359 13,920	3.64	506	7-69	31	761	-.02	25	40	
34-19-0018	6498781	1303180	10-65	2 305	19,955	3.51	701	388 13,545	3.67	497	8-69	31	868	-.02	29	47	
34-19-0018	6552502	1237057	9-64	4 305	18,213	3.31	603	548 13,503	3.67	495	12-69	44	856	-.09	18	37	
34-19-0018	6585211	1406271	7-66	2 301	18,485	3.62	669	504 13,865	3.71	515	11-69	40	899	.02	35	52	
34-19-0018	6592671	1303180	3-66	2 305	18,510	3.94	729	379 13,825	3.62	500	5-69	31	669	.05	32	44	
34-19-0018	6592676	1303180	3-66	2 305	18,410	3.37	620	412 13,095	3.69	483	10-69	31	735	-.04	21	37	
34-19-0018	6709905	1303180	9-66	2 304	18,060	3.86	697	388 13,860	3.70	513	12-69	31	613	.03	27	38	
34-19-0018	6709907	1303180	9-66	2 305	20,745	3.65	757	404 13,660	3.68	503	1-70	31	948	.01	35	54	
34-19-0018	6825755	1406271	1-67	1 305	19,480	3.73	726	444 14,910	3.63	541	5-69	36	806	.04	35	50	
34-19-0018	7045834	1406271	4-67	1 305	16,680	3.97	662	514 13,800	3.71	512	8-69	36	672	.05	32	44	
34-19-0025	4947363	1332867	8-59	3 305	18,663	3.71	692	6 14,230	3.72	529	10-68	33	802	-.01	28	44	
34-19-0025	5548567	1332867	10-61	7 304	19,364	3.38	655	5 15,639	3.57	558	2-70	36	781	-.05	21	38	
34-19-0025	5931323	1332867	8-63	3 304	20,067	3.41	684	6 14,823	3.64	540	6-69	33	919	-.05	26	45	
34-19-0027	6159691	1412398	3-64	4 301	19,902	3.31	659	9 14,542	3.53	513	2-70	33	931	-.06	25	45	
34-19-0027	6226553	1412398	6-64	3 304	20,270	3.05	619	5 14,566	3.54	515	1-69	32	933	-.11	18	39	
34-19-0049	7126677	1258981	9-66	1 305	16,620	3.41	567	20 11,120	3.68	409	11-69	35	729	-.01	25	40	
34-19-0081	5961867	1237057	9-63	4 304	19,710	3.35	660	12 15,423	3.42	528	3-69	44	827	-.06	21	39	
34-19-0083	6359169	1415455	5-65	3 305	25,340	3.32	842	23 17,550	3.47	609	11-69	38	1,397	-.02	47	75	
34-19-0083	6605845	1453776	2-66	2 305	22,720	3.65	829	12 18,085	3.53	638	4-69	25	639	.02	26	38	
34-19-0083	6807834	1470512	8-66	1 305	26,760	3.39	908	29 17,880	3.39	607	12-68	31	1,224	-.03	40	65	
34-19-0083	6940571	1261857	5-67	1 305	21,000	3.08	647	19 18,330	3.36	616	7-69	36	702	.03	29	42	
34-19-0107	6494220	1222994	5-65	2 305	21,520	3.26	701	13 15,105	3.68	556	2-70	40	964	-.06	26	47	
34-19-0107	6956733	1225575	8-67	1 305	22,880	3.28	750	14 15,560	3.46	538	9-69	35	689	-.01	23	37	
34-19-0126	6304620	1434166	1-65	4 282	19,535	4.04	790	8 16,040	3.65	586	1-70	33	669	.11	40	51	
34-19-0126	6980441	1330987	8-67	1 305	20,280	3.99	809	25 15,870	3.75	595	8-69	36	688	.07	35	47	
34-19-0126	6980442	1383311	8-67	1 305	21,320	3.87	825	7 15,640	3.74	585	4-70	36	680	.00	24	38	
34-19-0126	7005638	1330987	9-67	1 305	21,250	3.81	809	18 17,060	3.77	644	11-69	36	680	.05	32	44	
34-19-0161	6278997	1434698	8-64	4 302	17,255	3.76	649	28 13,410	3.86	517	8-69	32	674	-.01	23	37	
34-19-0170	6672325	1261857	9-66	1 305	20,700	3.31	686	6 16,090	3.43	552	4-69	36	830	.05	37	52	
34-23-0006	5632275	1383468	3-62	5 305</													

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVD C REPT MO-YR O (%)	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	OOL- LARS			
34-25-0059	6422596	1441200	6-65	3 303	18,930	3.88	735	42	15,243	3.66	558	9-69	33	738	-.02	30	\$ 44
34-25-0059	6488536	1441200	2-66	2 305	21,810	2.80	611	43	14,730	3.70	545	7-69	30	1,091	-.17	14	40
34-25-0074	6721622	1336050	10-66	1 305	23,040	3.39	781	7	14,760	3.81	563	12-68	35	1,088	-.03	34	56
34-25-0083	5670330	1181029	8-62	4 305	17,468	3.56	622	12	12,545	3.50	439	11-69	44	668	-.01	26	39
34-25-0084	5129963	1117412	4-60	3 305	18,507	3.93	727	28	14,913	3.43	511	2-69	42	530	-.07	29	38
34-25-0084	5461615	1361796	8-61	2 305	20,195	3.55	716	28	14,800	3.48	515	6-69	31	742	-.01	25	40
34-25-0084	5660888	1199324	5-62	5 304	19,048	3.38	643	25	15,400	3.48	536	12-68	44	937	-.03	29	48
34-25-0084	6918467	1417208	9-67	1 305	20,630	3.09	637	36	14,820	3.45	511	12-69	36	874	-.04	26	44
34-25-0117	6787583	1469616	10-65	2 305	17,730	4.33	768	28	13,395	3.87	519	9-69	29	528	-.09	32	40
34-25-0199	5983200	1284194	11-63	4 298	18,590	3.43	638	10	13,040	3.59	468	12-69	35	833	-.03	25	42
34-25-0199	6740607	1377954	9-66	1 305	24,200	2.73	660	14	15,360	3.54	543	2-69	36	1,040	-.08	25	48
34-28-0024	5382657	1232296	9-60	2 305	18,890	3.80	717	9	14,950	3.48	520	2-70	40	753	-.09	41	54
34-29-0036	5204323	1232296	8-60	3 304	18,113	4.00	725	38	15,413	3.63	559	6-69	42	659	-.12	41	51
34-29-0036	6810010	1395606	2-67	2 305	22,115	3.47	767	23	15,850	3.68	584	3-70	30	766	-.02	24	40
34-29-0112	5192160	1232296	8-60	2 305	17,045	3.62	617	14	14,400	3.61	520	1-69	40	616	-.06	31	42
34-29-0112	6542683	1426616	9-65	3 305	16,226	4.04	655	14	14,583	3.56	519	2-70	35	672	-.09	37	48
34-29-0112	6629587	1426616	10-66	1 305	16,380	3.47	569	6	14,690	3.66	537	3-69	27	653	-.00	24	37
34-29-0133	6648592	1479823	8-66	2 278	20,835	3.89	810	26	16,060	3.52	566	9-69	38	606	-.06	30	41
34-30-0004	5083581	1308101	4-60	7 301	21,084	3.95	833	9	16,540	3.79	627	5-69	44	1,137	-.02	44	66
34-30-0004	5192496	1308101	9-60	8 301	19,553	3.90	762	19	16,552	3.75	621	9-69	44	939	-.01	35	53
34-30-0004	5192499	1308101	10-60	7 289	19,820	4.21	834	9	16,282	3.86	629	7-69	44	1,004	-.05	44	63.
34-30-0004	5655793	1308101	10-62	4 305	20,305	4.04	821	12	16,632	3.81	634	9-68	44	1,012	-.03	41	60
34-30-0004	5681879	1308101	11-62	5 302	21,730	3.42	744	24	15,662	3.71	581	9-69	44	1,323	-.06	38	66
34-30-0004	6319872	1308101	2-65	3 302	20,596	3.57	735	15	17,526	3.80	666	1-69	42	932	-.05	26	46
34-30-0004	6759144	1308101	10-66	2 304	19,185	3.32	636	32	16,615	3.58	594	9-69	40	844	-.06	22	40
34-30-0004	6878287	1308101	7-67	1 305	17,320	3.65	632	31	15,740	3.53	556	8-69	36	723	-.01	24	39
34-30-0042	5321304	1232296	1-61	3 305	17,933	3.80	681	39	13,447	3.61	485	12-68	42	842	-.09	43	58
34-30-0048	5595423	1347317	1-62	6 301	20,172	3.95	797	20	16,290	3.63	591	7-69	34	702	-.09	38	50
34-30-0048	5862830	1352991	5-63	5 305	18,416	3.39	624	28	15,880	3.65	580	4-70	40	901	-.09	19	39
34-30-0048	6261785	1429447	12-64	4 305	20,593	3.33	686	37	15,318	3.58	549	1-70	32	840	-.06	22	40
34-30-0048	6673960	1330987	8-66	2 303	18,985	3.63	689	28	14,510	3.79	550	8-69	40	784	-.03	32	47
34-30-0051	5794975	1344455	2-63	4 272	19,435	3.70	719	15	15,080	3.62	546	7-69	35	819	-.02	33	49
34-30-0051	6091757	1344455	3-64	3 276	18,933	3.76	711	22	14,997	3.61	541	10-69	34	724	-.03	31	45
34-30-0051	6385097	1426616	2-65	3 247	15,803	3.46	546	39	14,116	3.61	509	7-69	35	672	-.00	24	37
34-30-0051	6432881	1386406	1-66	2 305	16,395	4.12	675	36	14,405	3.52	507	12-69	40	516	-.08	30	38
34-30-0051	6900189	1470789	9-67	1 305	20,220	3.52	711	45	14,190	3.53	501	11-69	24	650	-.00	24	37
34-30-0064	6269965	1290182	10-64	3 305	21,370	3.92	838	7	15,643	3.61	565	6-69	42	674	-.06	33	45
34-30-0064	6623707	1336050	6-66	1 305	24,140	3.40	820	12	18,630	3.33	620	4-69	35	908	-.00	33	51
34-30-0156	4732001	1029659	11-57	8 297	19,564	3.74	732	6	16,740	3.49	585	2-70	44	683	-.04	30	43
34-30-0174	6255138	1432907	3-65	2 290	18,885	3.51	663	13	13,425	3.55	477	2-70	25	684	-.00	24	38
34-30-0184	6539806	1267271	5-66	1 305	18,270	3.50	640	17	12,020	3.72	447	2-69	36	773	-.05	20	37
34-30-0196	6016310	1267271	5-63	4 305	19,955	3.23	645	8	14,748	3.46	511	4-69	44	938	-.08	22	43
34-30-0196	6751827	1406271	10-66	2 305	17,940	3.25	583	17	14,760	3.52	520	12-69	40	762	-.01	26	41
34-30-0196	6751828	1406271	12-66	2 303	17,860	3.61	645	15	15,235	3.48	530	1-70	40	711	-.04	32	45
34-30-0202	6147151	0102711747	3-62	1 302	21,340	3.64	777	12	13,550	3.65	495	9-69	19	737	-.00	27	42
34-30-0783	5455876	1344455	10-61	4 299	19,905	3.69	734	33	15,825	3.62	573	3-70	35	791	-.02	32	47
34-30-0783	6606366	1426616	11-65	3 301	18,720	3.55	665	33	16,030	3.69	592	4-70	35	827	-.01	29	46
34-30-0783	7104638	1426616	10-66	1 305	20,910	4.17	817	12	14,680	3.75	550	4-70	27	1,041	-.08	49	68
34-32-0001	4485913	1254762	9-57	9 305	18,869	3.74	706	16	14,447	3.69	533	10-69	36	654	-.01	25	38
34-32-0019	5954849	1408278	6-63	5 303	21,010	3.13	658	17	15,394	3.43	528	9-69	38	958	-.10	20	41
34-32-0019	6496494	1336050	12-65	2 305	21,175	3.26	690	15	16,415	3.56	584	3-69	40	939	-.05	27	47
34-32-0021	6981586	1336050	4-67	1 305	17,250	3.45	595	13	13,610	3.72	506	8-69	35	729	-.02	24	39
34-32-0057	5439577	1232296	6-61	3 305	19,337	3.72	720	10	12,247	3.45	422	6-69	42	1,127	-.09	54	74
34-32-0057	6405287	1267271	7-65	3 303	16,590	3.50	581	13	12,263	3.37	413	3-70	42	771	-.03	24	40
34-32-0057	6529144	1336050	11-65	1 305	16,250	3.16	514	24	12,580	3.48	438	9-68	35	723	-.03	22	37
34-32-0067	6564247	1336050	12-65	2 305	16,615	3.76	625	16	13,515	3.66	494	12-69	40	740	-.02	29	43
34-32-0088	5744212	1125465	11-61	6 299	18,587	3.63	674	20	14,440	3.50	506	12-69	44	774	-.05	35	49
34-32-0088	5994249	1267271	11-62	5 298	19,092	3.24	618	28	13,562	3.50	474	8-69	44	990	-.09	23	45
34-32-0088	6755745	1336050	10-66	1 305	16,220	3.82	620	23	14,250	3.49	497	6-69	35	607	-.03	26	37
34-32-0092	5182319	1321476	8-60	7 302	18,657	3.77	703	19	14,684	3.55	522	5-69	35	752	-.03	32	46
34-32-0092	5425007	1321476	5-61	6 294	19,690	3.17	625	19	14,522	3.56	517	4-69	35	931	-.09	20	41
34-32-0092	6570497	1336050	4-66	2 294	17,495	3.40	595	23	14,330	3.42	490	12-69	40	755	-.01	26	41
34-32-0102	6500464	1336050	11-65	2 305	19,025	3.60	685	15	16,975	3.51	596	2-69	40	668	-.01	26	39
34-32-0102	6737880	1406271	9-66	2 305	22,475	3.24	729	10	18,700	3.47	649	3-70	40	863	-.01	29	46
34-32-0104	6944564	1396554	4-67	1 305	20,190	3.57	720	6	16,500	3.52	581	4-70	33	617	-.05	30	41
34-33-0002	5285885	956714	11-60	5 305	25,888	3.21	830	29	17,312	3.38	585	5-69	44	961	-.00	35	54
34-33-0002	6197152	1449368	10-64	3 298	22,600	3.25	734	46	17,883	3.32	593	12-68	31	819	-.04	23	40
34-33-0002	6335437	1449369	12-64	3 305	23,207	3.42	793	43	17,677	3.34	591	11-68	29	842	-.00	30	47
34-33-0002	6573026	1225575	6-66	2 303	21,955	3.58	785	37	17,835	3.40	607	9-69	40	576	-.04	26	37
34-33-0002	6738098	1465248	12-66	2 305	22,935	3.19	731	45	18,090	3.33							

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT O	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
34-33-0057	6991995	1261857	1-68	1 305	22,300	3.81	850	19	17,360	3.84	666	1-70	36	864	.07	41	\$ 56
34-33-0068	5567364	1144034	11-61	6 305	20,228	3.69	746	14	16,063	3.50	562	3-70	44	683	.06	33	45
34-33-0068	6405501	1406271	9-65	3 305	18,053	3.45	623	12	16,106	3.56	573	2-70	42	666	.01	26	39
34-33-0068	6736641	1406271	8-66	2 305	19,585	3.40	666	14	15,405	3.56	549	9-69	40	870	.00	32	49
34-33-0121	6601406	1225575	9-64	4 297	21,985	3.58	788	21	13,913	3.63	505	11-69	43	1,114	.01	41	63
34-33-0121	6766632	1406271	3-66	2 305	18,430	3.86	711	12	13,670	3.69	504	6-69	40	912	.05	41	58
34-33-0125	6511953	1406271	12-65	2 305	15,735	4.12	649	50	14,065	3.63	510	7-69	40	602	.08	34	44
34-33-0133	5408058	1156779	7-61	7 300	17,280	4.11	710	50	15,254	3.66	558	9-69	44	451	.10	30	37
34-33-0160	4655052	1219137	8-58	9 303	19,131	4.02	769	39	14,693	3.66	538	12-69	35	765	.11	44	56
34-33-0160	6666968	1360676	5-66	1 305	17,890	3.49	625	55	13,760	3.75	516	9-68	34	787	-.01	27	43
34-33-0160	6666971	1261857	6-66	2 305	18,755	3.91	733	40	14,460	3.78	546	11-69	40	883	.08	44	59
34-33-0160	6666973	1261857	7-66	1 305	19,430	4.05	787	48	14,040	3.86	542	4-69	36	873	.09	45	60
34-33-0160	6786764	1261857	1-67	1 305	15,890	4.00	636	48	14,040	3.86	542	4-69	36	609	.08	34	44
34-33-0175	5114956	1319457	3-60	6 305	17,818	3.74	667	9	15,290	3.61	552	4-69	37	671	.00	24	37
34-33-0175	5427390	1319457	10-61	2 305	20,865	3.58	748	24	15,455	3.68	569	1-70	32	948	-.04	28	48
34-33-0175	6614064	1406271	6-66	2 305	18,620	3.98	742	22	15,450	3.62	560	3-70	40	768	.08	39	52
34-33-0175	6669689	1406271	8-66	1 305	17,420	3.66	638	16	14,370	3.73	536	4-69	36	689	.03	29	42
34-33-0182	6951644	1454698	2-66	2 305	19,155	3.73	715	15	12,755	3.61	460	1-70	28	780	.02	31	46
34-33-0225	6060562	1267271	4-64	4 305	21,270	3.20	680	35	14,833	3.64	540	6-69	44	1,091	-.10	24	48
34-33-0232	5830776	1087974	7-61	4 305	18,805	3.69	694	10	13,868	3.60	499	4-69	44	949	.01	36	55
34-33-0232	6765555	1261857	10-66	1 305	16,380	3.80	622	9	14,840	3.69	547	6-69	36	592	.07	32	42
34-33-0251	4797642	1156800	1-59	4 305	17,742	4.13	732	9	14,422	3.82	551	8-69	37	702	.01	27	41
34-33-0251	5825944	1148993	9-62	4 305	18,345	3.61	663	12	13,845	3.97	550	3-70	42	767	-.02	25	41
34-33-0251	6089123	1148993	12-63	3 305	18,410	4.43	816	9	14,717	3.82	562	8-69	41	646	.11	40	50
34-33-0274	5809801	1267271	12-62	4 305	19,658	3.45	678	20	13,390	3.57	478	3-69	44	1,053	-.05	30	52
34-33-0331	6371052	1492073	4-61	2 305	24,915	3.47	864	31	15,915	3.69	588	1-70	40	1,029	-.05	29	51
34-34-0021	6755701	1336050	1-67	1 305	15,850	3.80	602	21	13,250	3.49	463	7-69	35	647	.03	27	39
34-34-0046	6749280	1336050	11-66	2 305	17,475	3.41	596	13	14,405	3.48	501	3-70	40	746	-.01	25	40
34-34-0056	5911418	1267271	5-63	5 305	19,874	3.40	676	23	15,652	3.48	545	11-69	44	848	-.05	23	41
34-34-0056	6644778	1330987	7-66	2 305	21,370	3.57	762	24	17,520	3.48	610	11-69	40	751	.05	34	48
34-34-0126	6533831	1336050	11-65	2 305	16,300	3.58	583	12	13,310	3.69	491	8-69	40	727	-.01	25	40
34-34-0126	6842194	1336050	11-66	1 305	17,040	3.28	559	16	12,800	3.55	455	8-69	35	768	-.03	24	40
34-34-0581	5663024	1338634	12-61	5 305	17,452	3.51	612	24	12,920	3.61	467	8-69	36	727	-.02	23	38
34-34-0581	6869709	1434538	9-65	2 305	18,075	3.24	586	25	12,660	3.67	465	7-69	30	798	-.06	20	37
34-35-0003	6719255	1336050	10-66	2 305	17,975	3.72	668	19	15,410	3.65	562	1-70	40	705	.01	27	41
34-37-0004	5619654	1366074	3-62	7 303	18,690	3.78	707	19	15,413	3.68	567	12-69	36	637	.03	28	40
34-37-0004	5677875	1366074	11-62	5 304	18,586	3.71	689	20	15,400	3.65	562	1-70	36	623	.02	26	38
34-37-0004	5789657	1366074	12-62	4 300	18,235	3.74	682	5	14,943	3.68	550	9-69	35	614	.02	25	37
34-37-0004	6755411	1470512	1-67	1 305	19,580	3.39	664	15	14,770	3.83	566	5-69	31	867	-.06	23	42
34-37-0018	6268450	1387140	9-64	4 304	18,150	3.89	706	23	14,862	3.61	536	9-69	35	550	.05	27	37
34-37-0062	5947149	1087974	10-62	5 305	20,578	3.69	760	16	15,628	3.60	563	12-69	44	996	.01	38	57
34-37-0062	5986351	1259069	10-63	4 305	21,432	3.56	763	12	15,652	3.67	575	2-70	44	883	-.04	26	44
34-37-0062	6799165	1192713	9-66	1 305	20,160	3.64	734	8	15,540	3.72	578	1-69	36	744	-.01	25	40
34-37-0216	6430631	1330987	7-65	2 305	16,055	3.54	569	11	13,000	3.57	464	8-69	40	624	.04	28	39
34-38-0076	5619411	1374556	5-62	5 302	17,412	3.36	585	85	12,522	3.63	454	1-70	36	821	-.05	22	40
34-38-0076	6055900	1391327	4-64	4 288	17,885	3.93	703	90	13,478	3.64	490	2-70	35	642	.07	34	45
34-38-0076	6372425	1420155	8-65	2 298	21,010	3.27	686	88	13,580	3.67	498	12-69	29	978	-.08	24	45
34-38-0076	6548055	1365400	5-66	2 305	18,705	3.28	613	67	13,345	3.60	480	9-69	33	835	-.08	18	37
34-38-0076	6627295	1458198	9-66	2 301	20,185	3.28	662	57	14,075	3.56	501	3-70	29	770	-.03	23	39
34-38-0076	6784242	1391048	4-67	1 305	22,610	3.18	719	97	13,910	3.67	511	2-70	26	1,113	-.12	22	47
34-38-0076	6801899	1391048	5-67	1 305	21,090	3.17	669	101	13,960	3.65	510	11-69	26	977	-.12	18	40
34-38-0076	6901531	1391048	11-67	1 305	22,110	3.27	723	97	13,910	3.67	511	2-70	26	1,070	-.10	23	47
34-38-0101	6664392	1336050	1-66	2 305	15,605	3.77	588	32	12,525	3.78	473	6-69	40	728	.01	27	41
34-38-0143	6327833	1125465	12-60	4 305	15,520	3.90	605	47	12,965	3.58	464	11-68	43	536	.07	30	39
34-38-0143	6563176	1336050	1-66	2 297	15,320	3.75	574	53	13,500	3.55	479	1-69	40	609	.02	25	37
34-38-0168	6629412	1330987	10-65	2 305	15,060	4.08	614	20	12,300	3.56	438	10-69	40	587	.10	35	44
34-38-0213	6830532	1411695	8-66	1 305	20,360	3.25	661	17	12,360	3.45	427	5-69	26	785	-.02	25	41
34-38-0213	6975887	1330248	6-67	1 305	20,120	3.52	708	41	12,320	3.64	448	10-69	24	822	-.02	27	44
34-38-0213	7002275	1330248	7-67	1 305	22,400	2.90	649	41	12,320	3.64	448	10-69	24	1,026	-.10	22	45
34-39-0002	6995518	1336050	1-67	1 305	17,090	4.13	706	12	13,880	3.89	540	7-69	35	698	.03	30	43
34-39-0002	6995519	1336050	3-67	1 305	16,760	4.13	693	10	13,850	3.84	532	6-69	35	675	.03	29	42
34-39-0014	5618156	1267271	6-62	4 302	18,380	3.76	692	18	15,208	3.70	562	12-68	44	693	-.01	23	37
34-39-0014	5880998	1267271	6-63	4 305	19,510	3.43	670	18	15,368	3.70	568	12-69	44	814	-.07	19	37
34-39-0014	6612871	1345461	6-66	1 305	20,460	4.10	839	24	15,420	3.85	593	10-69	34	636	.04	29	41
34-39-0311	6108506	1294703	7-64	2 305	16,505	3.67	605	8	12,805	3.40	435	10-68	40	761	-.01	26	41
34-41-0003	6096388	1267271	9-62	2 305	19,645	3.72	731	26	13,810	3.71	513	8-69	40	893	-.03	28	46
34-41-0043	5928187	1181029	8-63	4 305	19,890	3.76	747	8	15,638	3.66	572	4-70	44	623	.03	27	39
34-41-0059	6339573	1249430	3-65	3 305	19,810	3.71	734	15	15,180	3.64	552	11-69	42	648	.02	27	39
34-41-0068	6192133	1239886	10-64	3 305	20,107	3.92	789	36	15,737	3.79	596	12-69	42	664	.06	33	45
34-41-0068	6612253	1336050	3-66	2 300	17,585	3.83	673	26	15,215	3.72	566	5-69	40	68			

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C	.....C REPT (%)	O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS
34-44-0044	6511664	1282936	9-65	3 305	17,533	4.04	709	24 14,203	3.66	520	2-70	42		622	.05	30	\$ 41
34-44-0119	5247401	1232296	11-60	4 305	19,390	3.65	708	105 16,695	3.71	619	1-69	8 44		690	.06	33	45
34-44-0119	5694225	1383004	8-62	4 305	23,350	3.92	915	73 16,510	3.68	608	10-69	44		872	.15	53	67
34-44-0119	5701992	1237057	11-62	4 272	20,525	3.73	765	61 16,338	3.82	624	11-69	44		826	-.04	24	41
34-44-0119	6301441	1279293	12-64	3 305	18,850	4.09	771	86 16,276	3.77	613	2-69	36		544	.07	30	39
34-44-0119	6317305	1148993	2-65	3 305	20,687	3.68	762	57 15,060	3.77	568	7-69	41		877	.01	33	50
34-44-0119	6330796	1430145	11-64	4 305	22,062	3.61	796	46 16,527	3.68	608	2-70	37	1,150	.00	42	65	
34-44-0119	6449952	1430145	4-65	3 305	19,010	3.52	669	56 16,726	3.68	615	11-69	35		684	-.01	23	37
34-44-0119	6823499	010229512	9-64	1 305	20,350	3.71	754	84 14,960	3.71	555	7-69	35		531	.07	30	39
34-44-0119	6830610	010229512	11-61	3 243	17,853	4.19	748	40 14,223	3.56	507	12-69	42		532	.15	41	48
34-44-0119	7076280	010229512	2-63	1 305	22,600	3.30	746	83 15,200	3.68	560	8-69	35		685	.03	29	42
34-44-0119	7167607	010229512	11-62	2 305	23,980	4.05	971	73 17,040	3.74	638	1-70	40		849	.12	49	63
34-44-0119	7169401	010265607	8-60	1 305	23,090	3.99	921	82 16,110	3.79	611	3-69	29		959	.06	43	61
34-44-0119	7209366	010229512	1-62	1 305	20,660	3.99	825	73 16,530	3.68	609	11-69	35		448	.10	31	37
34-44-0119	7212048	010229512	5-64	2 305	20,305	4.02	817	75 16,630	3.75	624	11-69	40		512	.11	34	42
34-44-0119	7410485	010229512	10-62	1 305	19,800	4.01	793	79 15,590	3.71	579	9-69	35		447	.10	31	37
34-44-0119	7410493	010288790	9-66	1 305	20,810	3.89	810	74 16,740	3.72	622	11-69	28		545	.08	31	40
34-44-0190	6881211	1393854	8-67	1 305	21,790	3.62	789	15 17,530	3.50	614	9-69	33		595	.04	28	39
34-44-0234	6846333	1407817	5-67	1 305	22,090	3.83	847	8 16,810	3.57	600	5-69	35		574	.04	27	37
34-44-0284	6528671	1336050	1-66	2 305	21,860	3.49	764	9 15,425	3.69	569	7-69	40	1,100	-.02	36	58	
34-44-0693	7081356	1426616	2-65	1 275	15,440	4.02	620	6 12,800	3.55	454	10-69	27		718	.06	35	48
34-44-0860	6753083	1267271	9-66	1 305	21,420	3.29	705	6 14,070	3.65	514	8-69	36		870	-.07	21	40
34-46-0005	6397154	1330987	12-64	3 304	17,040	3.66	623	35 14,150	3.46	489	2-70	42		648	.06	32	43
34-46-0005	6669505	1336050	11-66	1 305	17,920	3.64	652	31 15,800	3.47	549	9-69	35		630	.02	25	37
34-46-0011	6248134	1261857	10-64	3 305	17,407	3.85	671	41 15,287	3.56	544	11-68	42		686	.10	39	50
34-46-0011	6348149	1261857	1-65	3 305	18,527	4.18	774	49 14,297	3.70	529	8-69	42		917	.13	52	67
34-46-0066	6813268	1402662	6-65	3 303	19,687	3.24	638	9 13,143	3.49	459	10-69	34	1,010	-.08	24	46	
34-46-0072	6094066	1267271	1-64	4 303	17,295	4.25	735	14 14,155	3.74	530	8-69	44		676	.05	31	43
34-46-0085	5784690	1389482	2-63	3 305	17,627	3.11	549	32 11,917	3.82	455	9-69	31		924	-.11	17	38
34-46-0086	6030991	1360201	3-64	4 305	17,462	4.00	699	28 14,565	3.34	487	9-69	39		517	.10	33	41
34-46-0086	6572987	1336050	4-66	2 305	17,915	3.79	679	38 15,655	3.30	517	1-70	40		676	.05	32	44
34-46-0108	6476800	1244009	9-65	3 305	17,717	2.99	530	16 12,647	3.46	437	2-70	42		991	-.11	20	42
34-46-0111	7037050	1360676	10-67	1 294	20,320	3.30	671	8 13,420	3.52	472	11-69	34		998	-.02	33	53
34-46-0132	6211826	1440759	3-64	3 305	18,023	4.11	741	15 14,257	3.65	520	11-68	29		541	.09	32	41
34-46-0132	6259977	1303180	10-64	3 300	19,787	3.55	702	18 14,423	3.49	504	2-70	34		831	.01	31	47
34-46-0132	6289875	1244009	12-64	2 305	20,700	3.78	783	26 16,755	3.56	597	4-69	40		867	-.01	30	47
34-46-0132	6563789	1406271	1-66	2 291	19,335	3.78	730	20 16,240	3.53	573	3-69	40		769	.06	36	50
34-46-0132	6673955	1463169	7-66	2 305	17,635	3.98	702	25 14,360	3.52	506	6-69	37		515	.07	28	37
34-46-0133	6741617	1261857	7-66	2 305	20,510	3.78	776	22 16,360	3.51	574	3-70	40		888	.09	46	61
34-46-0197	6577346	1336050	5-66	1 293	16,690	3.40	567	9 12,180	3.51	427	1-69	35		783	-.01	27	43
34-46-0231	5638591	1258981	10-61	5 300	15,698	3.40	533	18 11,970	3.52	421	5-69	44		754	-.01	26	41
34-46-0231	6858923	1434768	7-65	2 295	15,825	3.79	599	17 11,475	3.56	408	11-69	29		631	.04	29	40
34-46-0459	6063091	1390540	12-63	3 305	18,250	4.35	793	7 14,616	3.62	529	11-69	36		536	.20	48	54
34-46-0620	5519331	1368083	12-61	4 305	18,235	3.90	711	23 14,415	3.41	491	8-69	33		592	.12	39	48
34-47-0014	5396717	1232296	11-60	4 294	16,085	3.41	548	14 13,315	3.67	488	10-69	44		658	.03	28	40
34-47-0024	6874594	1393854	8-67	1 87	18,990	4.08	775	17 13,960	3.95	551	12-69	8 33		627	.06	32	43
34-47-0055	6326935	1294703	8-64	3 299	18,460	3.21	592	23 14,150	3.63	513	9-69	42		887	-.09	19	39
34-47-0055	6776566	1336050	7-66	2 305	18,580	3.69	685	23 14,835	3.70	549	12-69	40		819	.00	30	46
34-47-0055	7103308	1336050	6-67	1 305	17,780	3.45	613	33 14,510	3.71	538	10-69	35		707	-.02	23	37
34-47-0071	6015952	1400256	1-64	4 295	18,232	3.76	686	6 14,160	3.70	524	4-69	35		796	.00	28	44
34-47-0110	4908631	1291956	3-59	8 304	16,850	3.35	565	34 11,965	3.58	428	9-68	35		764	-.04	22	38
34-47-0117	6594988	1417208	9-64	3 305	16,280	3.69	601	31 13,550	3.71	503	10-69	42		704	.01	27	41
34-49-0004	5470613	1258981	12-61	5 302	16,834	3.97	668	22 13,904	3.60	501	4-69	44		675	.07	35	47
34-49-0004	5969403	1382176	12-63	3 305	19,046	3.70	704	21 13,343	3.70	494	1-69	41		741	-.03	23	38
34-49-0004	6344409	1330987	10-63	5 297	17,314	3.70	641	24 14,258	3.63	518	10-69	44		700	.05	32	45
34-49-0004	7149962	1406271	6-67	1 305	18,040	3.56	642	14 15,360	3.76	578	1-70	36		669	.02	27	40
34-49-0005	6043155	1386406	1-64	4 305	18,797	3.78	710	19 15,150	3.66	554	10-69	44		757	.03	32	46
34-49-0005	6211579	1386406	7-64	3 302	20,150	3.40	686	22 16,100	3.66	589	3-70	42		789	-.03	24	40
34-53-0011	6811919	1336050	1-67	1 305	15,860	4.16	659	13 13,490	3.63	490	5-69	35		632	.04	29	40
34-53-0030	6521444	1290182	11-65	2 305	21,935	3.65	801	18 15,530	3.64	565	7-69	40		662	.01	26	39
34-53-0052	5801936	1237057	1-63	4 305	18,695	3.54	662	23 13,718	3.63	498	5-69	44		892	-.05	25	44
34-54-0006	6361731	1375956	9-63	5 305	20,728	3.30	684	26 15,548	3.55	552	12-69	35		928	-.06	24	44
34-54-0006	6511537	1412376	4-64	5 305	20,302	4.01	815	10 16,478	3.47	572	3-70	35		666	.10	39	50
34-54-0015	6697192	1336050	7-66	1 305	24,320	3.28	797	8 15,070	3.68	555	6-69	35	1,163	-.05	35	59	
34-54-0015	6948614	1336050	2-67	1 245	19,310	3.47	671	7 14,950	3.81	570	2-69	8 35		793	-.02	25	41
34-54-0015	6948615	1336050	5-67	1 305	18,330	3.57	654	7 15,480	3.53	547	5-69	35		683	.00	25	38
34-54-0015	6948616	1336050	12-67	1 305	21,560	3.19	688	19 17,940	3.60	645	11-69	35		760	-.04	21	37
34-54-0066	6905782	1336050	9-66	1 285	18,840	3.18	600	13 14,730	3.46	509	5-69	35		773	-.03	24	40
34-54-0066	6905785	1336050	10-66	1 294	18,280	3.42	625	13 14,730	3.46	509	5-69	35		730	.00	26	41
34-54-0495	5997546	1199324	10-63	5 283	17,250	3.44	594	10 14,930	3.48	519	12-69	44					

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	PRODUCTION. FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS
34-58-0035	6575923	1336050	5-66	2 305	18,615	3.59	669	20 13,825	3.57 494	10-69	40	916	.00 33	\$ 51
34-58-0035	6615607	1336050	8-66	1 305	20,730	3.29	682	31 15,320	3.56 546	2-69	35	875	-.03 27	45
34-58-0064	5606796	1258981	3-62	5 305	16,664	3.54	590	22 13,748	3.49 480	12-68	44	671	.02 27	40
34-58-0064	6267248	1267271	3-64	4 302	20,128	3.27	659	29 14,693	3.25 478	6-69	8 44	966	-.05 28	48
34-59-0287	5485974	1365380	11-61	5 305	20,988	3.50	735	6 14,916	3.76 561	5-69	34	1,039	-.04 31	53
34-59-0287	5629947	1365380	5-62	5 304	18,064	3.73	674	7 14,896	3.57 532	1-70	34	591	.03 26	37
34-61-0001	5812154	1372183	12-62	5 305	19,910	3.30	658	21 14,466	3.79 548	8-69	35	958	-.10 19	41
34-61-0005	5187378	1232296	9-60	4 305	17,465	3.61	631	16 14,533	3.72 540	7-69	44	693	.05 32	45
34-61-0005	5782231	1267271	12-62	4 298	18,600	3.69	687	17 14,683	3.73 547	5-69	44	778	-.03 24	40
34-61-0005	6659153	1261857	12-66	1 305	19,580	3.69	722	12 14,300	3.85 550	9-69	36	866	.05 39	55
34-61-0005	6753277	1261857	12-66	1 305	18,000	3.98	717	12 14,300	3.85 550	9-69	36	749	.08 39	52
34-61-0005	6830027	1261857	4-67	1 305	17,200	3.80	654	12 14,300	3.85 550	9-69	36	689	.06 34	46
34-61-0005	6830028	1261857	1-67	1 305	19,500	3.84	749	12 14,300	3.85 550	9-69	36	860	.07 41	56
34-61-0005	6871113	1261857	9-67	1 305	16,360	3.90	638	16 14,370	3.93 565	11-69	36	622	.07 32	43
34-61-0051	6397897	1330987	1-64	4 305	17,058	3.76	641	12 13,793	3.73 515	3-70	44	707	.04 32	45
34-62-0003	6860240	1417208	2-67	1 305	18,300	3.56	651	21 13,500	3.84 519	8-69	36	789	-.01 27	43
34-62-0034	6107924	1267271	2-64	3 303	22,700	3.75	851	7 15,567	3.78 589	7-69	42	1,131	-.03 37	60
34-62-0034	7187116	1239242	7-67	1 305	22,920	3.53	810	12 16,740	3.79 634	8-69	36	766	-.03 23	39
34-62-0039	6802467	1336050	2-67	1 305	17,570	4.14	728	16 14,710	3.82 562	11-69	35	678	.04 30	42
34-62-0058	6193889	1267271	8-64	4 303	16,920	4.05	686	14 13,610	3.96 539	2-70	44	690	-.01 24	38
34-62-0511	6768085	1261857	3-67	1 305	17,620	3.71	653	5 13,950	3.64 508	4-69	36	744	.07 37	50
34-63-0016	4779600	1029659	7-58	3 305	23,713	3.89	922	25 15,400	3.61 556	12-69	42	1,267	.05 53	77
34-63-0016	5470615	1232296	7-61	4 301	20,025	3.72	745	13 18,008	3.58 644	3-69	44	623	.08 34	44
34-63-0016	5873413	1399654	8-63	3 305	19,886	3.42	681	17 15,780	3.61 570	2-69	40	791	.02 31	46
34-63-0016	5904480	1399654	9-63	4 305	26,995	3.52	951	16 16,867	3.63 613	3-69	41	1,606	.02 61	92
34-63-0016	6037610	1399654	3-64	4 305	19,167	3.91	749	16 16,880	3.67 620	1-70	41	603	.08 34	44
34-63-0016	6169936	1399654	7-64	1 305	21,170	3.54	749	16 16,590	3.63 603	3-69	33	687	.04 30	43
34-63-0016	6200204	1175471	4-64	3 305	20,913	3.70	774	22 16,047	3.67 589	2-69	42	716	.04 32	45
34-63-0016	6251583	1399824	10-64	3 268	19,500	3.86	752	17 17,313	3.75 650	3-70	42	650	.04 29	41
34-63-0016	6677421	1399654	7-66	2 305	20,450	3.44	703	18 16,990	3.71 631	1-70	38	686	.01 26	39
34-63-0016	7061003	1087974	1-68	1 305	21,060	4.23	890	23 17,310	3.69 639	1-70	36	688	.06 33	45
34-63-0033	6548691	1336050	2-66	1 305	18,210	3.27	595	27 12,310	3.68 453	3-69	35	889	-.03 27	45
34-63-0048	5863867	1258981	4-62	4 305	18,398	4.51	830	12 15,520	3.63 563	10-69	43	675	.15 47	57
34-63-0048	6776564	1336050	4-66	2 305	18,585	3.56	662	10 14,845	3.65 542	9-69	40	819	-.01 28	44
34-63-0048	7103307	1336050	4-67	1 305	17,340	3.66	634	7 14,990	3.52 528	7-69	35	642	.01 25	37
34-63-0078	5444356	1258981	10-61	7 302	17,557	3.51	617	10 12,894	3.60 464	12-69	44	888	.00 32	50
34-63-0148	6347241	1199324	2-64	3 305	15,436	3.68	568	18 13,573	3.65 496	6-69	42	674	-.01 23	37
34-64-0070	5839670	1325241	4-63	4 305	18,190	3.49	634	21 15,468	3.54 548	8-69	35	726	-.03 22	37
34-65-0031	6879574	1330987	3-67	1 305	20,990	3.00	630	10 13,890	3.58 497	11-69	36	873	-.02 28	46
34-67-0267	5997544	1330987	2-63	4 305	22,430	3.34	750	16 16,030	3.55 569	12-69	44	1,122	-.01 39	61
34-67-0267	6576310	1199324	8-64	3 301	18,016	3.41	615	17 15,563	3.51 546	7-69	42	765	-.03 23	39
34-67-0267	6777634	1447141	11-66	1 305	19,670	3.81	750	26 16,190	3.53 572	6-69	31	883	.05 40	56
34-67-0356	7141511	1447141	12-66	1 304	18,950	3.68	697	7 13,990	3.45 482	3-70	31	985	.04 42	60
34-70-0002	5739683	1340669	1-63	4 305	23,685	3.39	802	39 17,390	3.51 611	1-69	44	1,064	-.10 24	48
34-70-0002	6154707	1237057	10-64	2 305	21,745	3.52	766	39 17,250	3.62 625	11-68	40	787	-.05 21	38
34-70-0027	5132137	1232296	6-60	3 305	15,903	4.13	656	8 12,207	3.70 452	9-69	42	736	.12 44	56
34-70-0036	5468112	1244845	7-61	4 305	19,223	3.34	642	7 14,185	3.72 527	4-70	44	840	-.08 18	37
34-70-0053	6703315	1261857	1-67	1 297	17,290	4.11	710	6 15,030	3.91 588	9-69	36	647	.09 36	47
34-70-0059	5997838	1353007	8-63	3 302	20,140	3.79	763	11 15,273	3.61 551	7-69	32	754	.06 36	49
34-70-0088	5255495	1179372	12-60	7 305	17,601	3.99	702	12 14,444	3.57 515	10-69	44	619	.07 33	43
34-70-0088	6430201	1179372	7-65	3 305	19,010	3.87	735	12 14,560	3.56 518	2-70	42	732	.05 34	47
34-70-0088	6474981	1239242	9-65	2 305	21,485	3.57	767	9 14,620	3.82 559	4-69	40	971	-.03 30	50
34-70-0088	6549754	1239242	1-66	2 305	21,065	3.66	771	9 14,995	3.67 550	3-70	40	894	.00 32	50
34-70-0088	6741255	1239242	9-66	1 305	20,140	3.67	740	9 14,430	3.60 520	3-70	36	713	.00 26	40
34-70-0104	6975975	1406271	8-67	1 305	17,970	4.23	760	19 14,940	3.78 564	9-69	36	692	.08 36	48
34-70-0104	6975976	1406271	8-67	1 305	17,360	3.41	592	19 14,940	3.78 564	9-69	36	646	.00 24	37
34-70-0116	4341355	1087974	1-57	7 305	19,927	3.94	786	10 16,541	3.61 597	1-70	44	806	.06 38	52
34-70-0116	5259349	1232296	11-60	4 302	17,775	3.81	678	19 15,995	3.58 573	8-69	44	568	.09 34	43
34-70-0116	5321759	1232296	10-60	4 305	20,488	3.83	784	19 16,228	3.54 574	11-69	44	878	.10 47	62
34-70-0123	6145684	1367170	6-64	4 305	24,408	3.50	855	9 17,033	3.73 636	11-69	36	1,104	-.05 33	56
34-70-0132	5911172	1244009	9-63	3 305	19,780	3.66	723	13 16,773	3.65 613	3-69	42	801	-.03 24	41
34-70-0132	6038481	1267271	1-64	4 305	19,668	3.52	692	17 15,560	3.68 572	8-69	44	813	-.06 21	39
34-70-0132	6221046	1222994	1-65	3 305	21,297	3.71	791	16 16,313	3.68 601	11-69	42	892	.01 33	51
34-70-0132	6614541	1239242	9-66	2 305	21,050	3.70	779	10 16,090	3.69 593	4-70	40	793	.00 29	45
34-70-0238	5631338	1333969	8-60	4 305	18,722	4.13	773	13 15,040	3.78 568	3-69	42	416	.12 32	37
34-70-0240	5263788	1232296	10-60	4 305	17,515	3.75	656	9 13,425	3.66 491	12-69	44	822	.08 41	55
34-70-0257	6989798	1399654	7-67	1 305	18,000	4.04	727	13 14,860	3.76 558	12-69	33	561	.08 32	41
34-70-0528	5914970	1284364	8-63	5 305	20,800	3.96	823	25 16,720	3.89 650	11-69	44	689	.01 26	39
34-70-0528	6081335	1397209	2-64	4 304	18,900	3.99	755	21 16,835	3.87 652	8-69	43	636	.01 25	37
34-70-0528	6665039	1397209	10-66	2 305	21,180	3.91	828	31 17,905	3.96 709	9-69	40	738	-.01 25	40
34-70-0528	6665040	1397209	10-66	1 305	21,400	4.30	921	16 19,300	3.75 723	3-70	35	586	.05 28	38
34-70-0528	6933593	1397209	10-67	1 305	25,240	3.42	862	24 19,470	3.84 748	1-70	35	865	-.06 22	41
34-70-0654	6782963	1261857	11-66	1 305	17,640	4.06	717	40 13,870	3.86 535	10-68	36	751	.09 40	53
34-73-0001	5321867	1232296	11-60	3 305	19,830	3.77	748	29 16,183	3.34 541	3-69	42	776	.12 45	57
34-73-0001	5343859	1232296	9-60	4 298	17,028	3.98	678	37 14,643	3.53 517	10-69	44	626	.12 40	49
34-74-0005	6781117	1470512	8-66	1 305	18									

TABLE 3. HOLSTEIN USDA-DDBA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE REGS DAYS	MILK LBS	FAT (%)	FAT LBS	HERDMATE NO.	MILK LBS	AVERAGES FAT (%)	FAT LBS	LAST CALVD MO-YR	COW REPT (%)	MILK LBS	FAT (%)	FAT LBS	INDEX FAT LBS	DOOL- LARS
34-74-0159	5642713	1330987	7-62	3 305	15,513	3.85	597	37	13,500	3.63	490	9-68	42	539	.06	28	37	
34-74-0167	5500602	1144034	8-61	5 303	16,976	4.15	704	35	14,682	3.56	523	12-68	44	424	.12	32	38	
34-74-0167	6037919	1286036	9-63	5 302	21,234	3.27	695	25	16,540	3.47	556	2-70	44	934	-.09	21	42	
34-74-0167	6704162	1336050	8-66	2 305	19,035	3.71	707	19	17,265	3.40	587	3-70	40	643	.04	29	41	
34-74-0167	6870960	1336050	8-66	2 304	19,240	3.61	694	30	16,945	3.59	609	12-69	40	693	.01	26	40	
34-74-0167	6870961	1336050	8-67	1 305	20,700	3.65	756	24	16,550	3.70	612	9-69	35	789	.00	28	44	
34-74-0167	6870963	1336050	7-67	1 305	21,380	3.70	791	24	16,550	3.70	617	9-69	35	841	.00	31	48	
34-74-0192	6371445	1267271	1-64	4 305	17,625	3.45	608	12	13,475	3.68	496	12-69	44	792	-.06	20	37	
34-74-0192	6898747	1336050	2-66	2 305	16,660	3.63	605	9	13,720	3.70	507	3-70	40	726	.00	26	40	
34-74-0312	6824112	1330987	9-65	2 301	20,135	3.44	692	21	16,815	3.56	598	8-69	40	690	.07	28	41	
34-74-0440	5795020	1395355	12-62	3 305	22,683	3.99	905	19	18,427	3.71	683	8-69	29	671	.07	34	46	
34-74-0440	6586423	1336050	3-66	2 298	24,575	3.83	941	18	19,710	3.77	706	6-69	40	1,075	.02	42	63	
34-74-0440	6606270	1336050	7-66	2 305	23,200	3.32	771	16	19,020	3.83	729	9-69	40	906	-.07	22	42	
34-74-0812	6859862	1336050	7-67	1 305	17,380	4.35	756	20	15,550	3.67	570	12-69	35	607	.06	31	41	
34-74-0893	6134444	1267271	4-64	3 305	15,897	4.18	664	30	13,807	3.39	468	11-69	42	531	.06	28	37	
34-76-0005	6406256	1192713	4-65	3 305	17,930	3.56	639	62	13,283	3.62	481	12-69	42	879	-.01	30	48	
34-76-0005	6406257	1192713	6-65	3 305	16,323	3.65	596	68	12,950	3.63	470	10-69	42	729	.00	26	40	
34-76-0005	6513996	1443161	12-65	2 305	17,845	3.82	681	50	13,645	3.55	485	1-70	36	783	.04	34	49	
34-76-0005	6564934	1354925	6-66	2 305	16,085	4.30	692	49	12,665	3.57	452	7-69	35	487	.09	30	38	
34-76-0005	6716743	1222994	1-67	1 305	17,530	3.71	651	77	13,120	3.62	475	9-69	36	643	.01	24	37	
34-76-0005	6746171	1444150	2-67	1 305	19,130	3.46	661	56	12,430	3.61	449	7-69	23	743	-.02	24	39	
34-76-0005	6870730	1239242	8-67	1 305	19,470	3.34	650	77	13,090	3.64	477	9-69	36	753	-.04	22	38	
34-76-0019	5449606	1214152	8-61	5 305	21,608	3.95	854	11	16,750	3.81	638	11-69	44	670	.02	27	40	
34-76-0024	5335402	1228022	12-60	5 305	16,354	3.44	563	15	13,234	3.44	455	6-69	44	946	-.06	25	45	
34-76-0024	5427388	1319457	9-61	4 299	15,812	3.41	539	17	11,700	3.67	432	12-68	36	823	-.07	20	38	
34-76-0024	6112658	1199324	10-62	6 304	17,581	3.45	606	11	15,121	3.74	566	1-70	44	780	-.06	20	37	
34-76-0048	5463669	1232296	1-61	4 305	21,940	3.81	835	8	16,395	3.79	622	11-68	44	1,038	.07	48	67	
34-76-0048	6595955	1336050	12-65	2 305	20,990	3.73	783	9	16,140	3.79	612	3-70	40	945	.00	34	53	
34-76-0053	6800424	1336050	10-66	2 300	16,600	3.55	590	56	13,115	3.30	433	1-70	40	775	.02	31	46	
34-76-0053	6800425	1377954	11-66	2 305	15,145	3.75	568	45	13,150	3.31	435	3-70	40	543	.06	28	37	
34-76-0053	6912857	1239242	8-67	1 305	18,900	3.40	643	59	12,870	3.49	449	2-70	36	726	-.02	23	38	
34-76-0053	7044618	1261857	11-67	1 305	17,640	3.98	702	46	12,840	3.47	445	3-70	36	820	.10	45	59	
34-76-0057	5357252	1331488	6-61	4 305	19,390	3.71	720	23	14,878	3.84	572	9-69	32	665	.00	24	37	
34-76-0057	6138260	1215957	10-62	4 305	20,630	4.01	828	14	15,435	3.70	571	4-69	37	747	.08	38	51	
34-76-0057	6649530	1148993	7-66	2 305	18,830	3.72	700	6	15,195	3.62	550	3-70	39	602	.03	26	37	
34-76-0057	6752567	1458744	8-66	1 305	18,700	3.45	645	23	14,860	3.84	570	6-69	36	851	-.04	25	43	
34-76-0057	6809554	1458744	8-66	1 305	17,480	3.67	641	24	14,430	3.83	553	7-69	36	789	-.02	26	42	
34-76-0057	6809555	1458744	7-66	1 305	16,160	3.81	615	24	14,430	3.83	553	7-69	36	691	-.01	24	38	
34-76-0057	6890003	1458744	10-66	1 305	19,340	4.50	676	23	14,860	3.84	570	6-69	36	899	-.04	27	46	
34-76-0061	6690523	1458744	11-66	1 305	17,360	3.66	635	8	14,530	3.49	507	11-69	36	713	.00	28	43	
34-76-0061	6690525	1330987	1-67	1 305	16,070	3.90	626	15	12,600	3.60	453	7-69	36	593	.07	31	41	
34-76-0061	6729840	1458744	12-66	1 305	16,260	3.87	630	15	12,590	3.60	453	7-69	36	822	.02	32	48	
34-76-0134	5412977	1098427	7-61	6 305	22,330	3.46	773	11	17,120	3.62	620	10-69	44	832	-.03	25	42	
34-76-0134	5601277	1376427	4-62	4 305	25,545	3.08	786	11	17,518	3.61	632	8-69	30	1,275	-.13	26	55	
34-76-0134	6699489	1271075	7-66	2 289	24,420	3.23	788	13	18,545	3.42	635	12-69	40	1,080	-.05	32	55	
34-76-0140	6363027	1406271	7-65	3 305	19,380	3.79	734	14	15,810	3.80	600	3-70	42	849	.04	36	52	
34-76-0140	6415692	1406271	9-65	3 305	17,983	3.86	695	17	15,240	3.86	588	9-69	42	747	.04	33	47	
34-77-0005	5833355	1330987	4-63	4 305	16,005	3.66	586	6	12,265	3.76	461	9-69	44	747	.03	31	45	
34-77-0115	6544937	1336050	12-65	2 305	17,285	3.63	627	16	14,990	3.60	539	6-69	40	673	.00	25	38	
34-77-0148	5227271	1232296	11-60	3 302	16,573	3.83	635	15	13,533	3.66	495	1-69	42	676	.09	37	48	
34-77-0172	6520599	1336050	12-65	2 305	15,890	3.98	633	41	12,235	3.56	436	12-69	40	784	.05	35	49	
34-77-0185	6115533	1237057	7-64	4 242	18,303	3.49	638	10	14,630	3.48	509	3-70	44	742	-.04	21	37	
34-78-0001	6158604	1267271	12-63	4 299	20,908	3.46	723	45	14,805	3.61	534	11-69	44	1,050	-.06	29	51	
34-78-0001	6462431	1336050	11-65	3 302	19,570	3.51	687	42	14,583	3.63	529	3-70	42	1,003	-.01	34	54	
34-78-0001	6784947	1336050	4-66	2 305	22,460	3.49	783	59	14,490	3.63	526	10-69	40	1,247	-.02	42	67	
34-78-0001	6784948	1336050	4-66	2 305	19,215	3.41	655	59	13,865	3.59	498	6-69	40	973	-.02	32	52	
34-78-0001	6784949	1336050	4-66	2 294	17,040	3.86	658	59	13,865	3.59	498	6-69	40	751	.03	32	46	
34-78-0001	6784951	1336050	7-66	2 301	18,900	3.69	697	57	14,510	3.74	542	11-69	40	882	.00	32	49	
34-78-0001	6784957	1336050	11-66	2 288	17,770	3.33	591	48	14,735	3.71	547	1-70	40	746	-.04	21	37	
34-78-0001	7020878	1336050	3-67	1 305	16,910	3.66	619	54	14,080	3.74	526	5-69	35	671	.00	24	37	
34-78-0001	7044938	1336050	3-67	1 305	17,690	3.42	605	54	14,080	3.74	526	5-69	35	730	-.02	23	38	
34-78-0001	7055435	1336050	2-68	1 305	17,580	3.45	606	29	14,640	3.61	529	3-70	35	684	-.01	23	37	
34-78-0017	5997395	1402137	5-63	3 305	22,660	3.52	797	22	15,400	3.58	551	1-69	29	1,056	-.01	36	57	
34-78-0017	6677154	1406271	9-66	2 305	17,725	4.08	723	21	16,155	3.63	586	2-70	40	613	.09	35	45	
34-78-0064	6729235	1406271	8-66	2 305	18,585	3.17	590	21	14,655	3.66	536	3-70	40	837	-.03	26	43	
34-79-0102	5690412	1330987	9-62	3 305	18,193	3.85	700	29	13,727	3.52	483	9-68	42	824	.08	41	55	
34-79-0194	6154067	1267271	11-63	2 305	20,770	3.04	631	8	13,950	3.57	498	12-69	40	995	-.11	19	42	
34-80-0012	5260281	1232296	7-60	4 305	16,215	3.58	581	12	14,003	3.33	466	8-69	44	597	.09	34	44	
34-80-0051	5593967	1244845	4-62	5 305	18,576	3.74	695	14	14,448	3.49	504	3-69	44	751	.01	28	43	
34-81-0001	6831853	1392654	5-67	1 305	16,780	3.47	582	12	13,000	3.51	456	3-70	33	596	.04	28	3	

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HEPOMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST T CALVO C PEPT MO-YP O (%)	.....C O W MILK (LBS)	I N D E X..... FAT (%)	FAT (LBS)	DOL- LARS				
35-03-0008	6669233	1479723	9-66	1 305	18,540	3.99	740	31 12,410	4.13	512	8-69	22	701	.01	27	\$ 41
35-03-0026	6341935	1432728	10-64	3 302	17,850	3.66	653	30 12,540	3.88	487	12-69	32	834	-.02	27	44
35-03-0035	5637255	1244845	4-62	3 305	19,377	4.44	860	11 15,450	3.99	617	4-69	42	689	.06	33	45
35-03-0035	6055019	1386406	3-64	2 305	17,135	4.02	688	22 14,285	3.98	569	10-68	40	602	.03	26	37
35-03-0038	6035957	1271075	12-63	4 299	16,013	4.22	675	12 14,055	3.96	556	10-69	43	655	.04	30	42
35-03-0038	6614166	1261857	6-66	2 305	16,685	3.55	592	14 13,955	3.96	553	10-69	40	719	.02	29	43
35-03-0038	6722135	1261857	9-66	2 305	18,925	3.99	755	16 14,735	3.95	582	12-69	40	875	.08	43	58
35-03-0038	6767687	1261857	3-67	1 305	18,500	4.10	758	7 15,060	4.09	616	5-69	36	735	.08	38	51
35-03-0038	6876434	1261857	6-67	1 305	17,300	3.38	584	14 13,700	4.04	554	10-69	36	737	.02	29	43
35-03-0049	6916001	1397209	8-67	1 305	20,550	4.06	835	12 14,440	3.71	536	12-69	35	852	.03	35	51
35-03-0053	5977799	1386406	12-63	4 305	19,205	3.97	763	16 15,887	4.00	635	12-69	44	726	.02	29	43
35-03-0085	5406362	1355939	5-61	3 305	20,143	3.62	729	12 15,640	3.95	617	4-69	34	790	-.02	25	41
35-03-0085	5495479	1355939	10-61	3 305	19,047	4.25	810	12 16,260	3.78	614	2-69	34	572	.11	36	45
35-03-0085	5855587	1355939	5-63	3 305	18,287	3.96	725	13 15,143	3.89	589	1-69	34	604	.04	28	39
35-03-0085	5909495	1355939	9-63	4 305	20,423	3.86	788	18 15,763	3.95	623	1-70	35	854	.01	33	50
35-03-0085	6656055	1458744	9-66	1 305	23,260	3.41	793	21 16,510	4.01	662	8-69	36	1,080	-.06	30	53
35-03-0112	5319095	1347432	3-61	6 305	18,958	3.98	754	15 15,668	3.75	587	10-69	35	615	.05	29	40
35-03-0112	6070831	1329588	1-64	4 305	22,158	3.35	742	18 16,518	3.77	623	11-69	44	957	-.08	22	43
35-03-0112	6579255	1386406	5-66	2 305	22,230	3.29	732	7 16,955	3.71	629	3-70	40	875	-.04	25	43
35-03-0124	5637546	1364674	10-61	5 305	17,806	4.04	719	15 14,460	3.71	536	9-69	37	676	.07	35	47
35-03-0124	5750153	1199324	7-62	5 305	17,706	3.65	647	24 14,776	3.74	552	12-68	44	836	-.02	27	44
35-03-0133	6221112	1383926	9-65	2 305	17,455	3.84	670	17 14,730	3.80	560	10-68	40	578	.04	26	37
35-03-0146	6770081	1261857	11-66	2 305	25,640	3.85	987	13 16,400	3.85	632	11-69	40	1,405	.07	62	88
35-03-0165	6703324	1417208	4-66	2 305	17,090	3.59	613	13 14,845	3.47	515	9-69	40	645	.02	26	38
35-03-0346	6466416	1450930	9-65	2 305	19,565	3.35	655	15 14,420	3.74	540	10-69	30	877	-.09	18	38
35-03-0346	6754454	1450930	9-66	1 305	20,740	3.71	769	20 14,910	3.77	562	11-69	24	807	-.04	23	40
35-03-0422	7216082	1261857	2-67	1 305	20,520	3.96	813	11 15,820	3.87	613	11-69	36	834	.08	42	57
35-03-0422	7466538	1261857	2-68	1 281	18,200	4.19	762	16 16,200	3.91	634	1-70	36	636	.10	37	47
35-04-0018	6753840	1261857	10-66	2 305	19,210	4.21	809	13 16,445	3.65	601	4-70	40	748	.14	47	58
35-04-0018	6753841	1261857	12-66	2 299	19,860	3.43	682	22 15,865	3.63	576	12-69	40	867	.03	36	52
35-04-0018	6753846	1314767	1-67	2 305	21,975	3.58	787	15 16,210	3.62	587	2-70	40	801	.01	31	47
35-05-0004	6772545	1383926	5-65	3 305	17,966	3.57	641	14 13,486	3.89	525	11-69	42	799	-.01	27	43
35-05-0004	6876550	1306247	1-66	2 305	17,355	4.01	696	18 12,820	3.93	504	10-69	40	885	.00	32	50
35-05-0008	6081338	1397209	2-64	4 305	20,825	3.60	750	16 16,220	3.78	613	8-69	43	945	-.03	29	49
35-05-0008	6124893	1397209	7-64	4 305	19,500	3.79	739	22 16,967	3.74	634	10-69	43	696	.00	25	39
35-05-0030	6861168	1261857	1-67	1 305	20,650	3.51	724	24 18,410	3.61	665	2-70	36	670	.05	32	44
35-05-0037	6666850	1345884	11-66	1 305	20,100	3.91	786	25 14,310	3.89	557	3-69	24	682	.02	28	41
35-05-0039	6947716	1397209	11-67	1 305	19,240	3.65	702	13 15,160	3.76	570	2-70	35	705	-.02	22	37
35-05-0047	6157720	1307195	6-64	3 305	20,000	3.62	724	34 14,797	3.70	547	1-69	42	800	.00	29	45
35-05-0047	6396649	1417208	1-65	2 290	18,225	3.86	704	36 15,000	3.65	547	5-69	40	746	.03	32	46
35-05-0047	6463334	1344345	11-65	2 305	21,110	3.64	768	34 14,915	3.68	549	3-69	40	898	-.06	23	42
35-05-0048	6243984	1383926	10-64	3 305	20,406	3.21	655	12 13,456	3.68	495	5-69	42	1,086	-.05	32	55
35-05-0054	6610821	1397209	6-66	2 305	17,315	4.11	712	17 13,875	3.99	553	10-69	40	713	.01	27	41
35-05-0054	6981373	1383926	1-68	1 305	21,250	3.50	743	8 17,040	3.71	633	2-70	35	652	.01	25	38
35-05-0060	5895991	1199324	5-63	4 305	18,490	3.55	657	18 15,597	3.64	568	4-69	44	831	-.02	27	44
35-05-0060	6724424	1458744	11-66	1 305	18,000	3.39	611	22 15,360	3.59	552	9-69	36	766	-.02	24	40
35-05-0061	6265385	1306247	10-64	3 305	18,963	3.35	635	16 14,360	3.61	519	2-69	42	961	-.06	26	47
35-05-0062	6717270	1261857	9-66	1 305	16,190	3.61	584	18 13,850	3.60	499	8-69	36	644	.07	33	44
35-05-0063	6501738	1397209	12-65	3 299	21,900	3.63	795	8 16,600	3.90	647	1-70	42	1,000	-.04	30	51
35-05-0063	6579655	1447141	5-66	2 298	20,645	3.82	788	5 17,150	3.84	659	1-70	35	959	.03	39	57
35-05-0068	5828531	1408775	5-63	3 305	20,673	3.57	737	29 15,163	3.52	534	5-69	29	803	.01	30	46
35-05-0069	6261955	1383926	3-65	3 305	20,716	3.59	743	17 14,190	3.54	502	10-69	42	1,045	.03	42	62
35-05-0069	6394248	1306247	10-65	2 305	18,040	3.31	598	18 13,620	3.62	493	2-69	40	882	-.06	23	42
35-05-0074	6719414	1330987	8-66	2 305	15,845	4.11	651	24 13,130	3.66	481	1-70	40	591	.09	34	44
35-05-0079	4428217	1147528	7-57	3 305	22,313	3.96	883	16 14,500	3.87	561	2-70	29	1,122	.04	47	68
35-05-0080	5998900	1284364	4-63	4 304	19,638	3.57	702	10 14,923	3.59	535	10-68	43	721	-.03	22	37
35-05-0080	6787007	1397209	11-66	2 298	21,150	3.33	705	11 15,570	3.46	539	12-69	40	949	-.04	28	48
35-05-0084	6608068	1473592	2-66	2 305	20,455	3.20	655	12 14,585	3.67	535	11-69	28	850	-.07	21	39
35-05-0085	6505565	1306247	11-65	2 302	21,060	3.23	680	11 14,730	3.60	530	1-70	40	1,088	-.07	28	51
35-05-0085	7022595	1397209	1-68	1 305	18,190	3.70	673	11 14,880	3.48	518	2-70	35	644	.01	24	37
35-05-0086	6458231	1330987	1-66	3 295	19,290	3.71	716	10 15,787	3.58	565	4-70	42	737	.05	34	47
35-05-0086	6507127	1330987	3-66	2 305	18,465	3.23	597	12 14,190	3.62	513	5-69	40	760	-.01	26	41
35-05-0086	6520507	1448297	12-65	3 305	20,103	3.51	705	14 16,526	3.57	590	1-70	41	812	-.05	22	39
35-05-0086	6740668	1458744	12-66	2 305	19,945	3.36	671	10 17,065	3.55	605	4-70	40	849	-.04	25	43
35-05-0088	5976088	1214317	9-63	4 305	20,668	3.79	784	12 14,453	3.54	511	10-69	43	1,001	.04	42	61
35-05-0088	5978150	1214317	9-63	3 304	23,300	3.98	927	12 15,330	3.42	524	2-69	42	1,171	.08	55	76
35-05-0091	6800129	1447141	7-66	2 305	23,635	4.07	962	16 18,800	3.53	664	11-69	35	1,123	.12	58	77
35-05-0092	6325839	1383926	2-65	3 302	18,060	3.75	678	8 15,430	3.69	570	6-69	42	606	.04	27	38
35-05-0092	6570994	1383926	1-66	2 305	20,975	3.73	782	7 15,200	3.78	574	9-69	40	894	.03	36	53
35-05-0092	6759025	1397209	10-66	1 305	21,800	3.67	800	11 15,410	3.60	555	12-69	35	881	-.01	31	49
35-05-0092	6886465	1261857	5-67	1 305	19,160	3.64	697	7 16,100	3.61	581	8-69	36	714	.06	35	48
35-05-0114	6854173	1397209														

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS
35-08-0027	6484779	1386406	10-64	3 305	22,053	3.60	794	11 16,776	3.65	612	3-70	42	938	.00	34	\$ 53
35-08-0027	6891413	1386406	11-65	2 305	20,110	4.00	804	13 16,670	3.64	607	3-69	40	686	.06	34	46
35-08-0027	6972719	1386406	7-65	1 305	20,510	3.70	758	10 16,600	3.76	624	3-70	36	640	.01	24	37
35-08-0033	6188600	1294703	12-63	3 305	18,817	3.52	662	15 14,650	3.62	531	3-69	42	876	-.04	25	43
35-08-0035	6408047	1330987	8-65	3 301	17,717	3.40	603	23 14,423	3.48	502	10-69	42	697	.02	28	41
35-08-0035	6463563	1417208	9-65	3 296	17,540	3.41	598	23 14,190	3.50	496	9-69	42	783	-.01	27	43
35-08-0035	6463567	1330987	12-65	3 305	18,033	3.12	563	22 14,680	3.54	519	1-70	42	707	-.02	22	37
35-08-0035	6510902	1330987	2-66	3 304	16,520	4.07	673	13 14,563	3.47	505	4-70	42	545	.11	36	44
35-08-0035	6742449	1458744	10-66	2 305	18,815	3.72	699	27 14,805	3.55	526	11-69	40	940	.01	36	54
35-08-0035	6742451	1458744	11-66	2 305	17,485	3.27	572	20 14,850	3.58	532	1-70	40	801	-.05	22	39
35-08-0035	6886844	1330987	7-67	1 305	16,990	4.23	719	20 14,540	3.59	522	10-69	36	532	.10	33	41
35-08-0035	6982885	1330987	9-67	1 305	18,500	3.37	624	26 14,770	3.60	531	11-69	36	629	.02	25	37
35-08-0036	6999494	1458744	12-67	1 305	17,890	3.12	558	16 15,220	3.53	538	1-70	36	767	-.05	21	37
35-08-0037	5519029	1322069	12-61	4 305	20,113	3.58	721	20 15,070	3.54	533	1-70	44	659	.02	26	39
35-08-0043	6362687	1386406	12-64	3 305	19,400	3.40	659	15 15,676	3.67	576	4-69	42	747	-.03	23	38
35-08-0045	5133366	1257896	1-60	4 305	18,910	3.80	719	31 12,083	3.59	434	1-70	34	1,073	.03	43	64
35-08-0045	5337162	1316334	2-61	4 238	17,188	3.40	584	28 11,560	3.65	422	8-69	33	842	-.05	23	41
35-08-0048	7050547	1383926	1-68	1 305	18,060	4.15	749	16 15,950	3.44	548	1-70	35	485	.09	31	38
35-08-0050	6968777	1306247	8-67	1 305	17,460	4.00	698	11 14,630	3.96	580	3-70	35	681	-.01	23	37
35-08-0071	6203079	1383926	10-64	4 235	18,660	3.54	660	16 15,720	3.73	586	2-70	8 43	664	.00	24	37
35-08-0073	6844929	1397209	5-67	1 305	18,230	3.86	703	15 14,160	3.71	525	9-69	35	696	.00	25	39
35-08-0076	6256861	1383926	10-64	4 296	20,222	3.66	741	16 15,837	3.34	529	2-70	43	845	.07	41	56
35-08-0076	6256862	1383926	12-64	4 302	20,470	3.27	670	12 16,472	3.30	543	3-70	43	805	.01	30	46
35-08-0096	6503362	1306247	9-65	3 305	21,353	3.21	685	22 16,466	3.76	619	11-69	42	1,019	-.11	21	44
35-08-0096	6503368	1383926	8-65	3 296	19,020	4.03	766	25 15,920	3.69	587	10-69	42	666	.08	36	47
35-08-0096	6540782	1366229	12-65	2 305	20,070	4.19	840	20 16,105	3.78	609	12-69	40	493	.12	35	42
35-08-0096	6982895	1383926	7-67	1 305	20,250	4.33	876	24 16,880	3.82	645	2-70	35	587	.09	34	43
35-08-0103	6304958	1383926	3-65	3 305	18,943	3.56	675	8 14,720	3.50	515	3-70	42	783	.03	33	48
35-08-0104	6586258	1329588	9-64	3 305	19,987	3.40	680	19 14,883	3.59	534	4-69	42	832	-.05	23	41
35-09-0007	6144092	1374587	8-64	3 305	18,206	3.52	640	50 14,100	3.62	511	4-69	33	644	.01	24	37
35-09-0010	5463650	1288310	8-61	5 302	17,906	4.04	724	28 14,712	3.95	581	12-68	37	621	.04	28	39
35-09-0010	5858918	1288310	3-63	5 304	17,480	4.04	707	31 14,358	4.04	580	11-69	37	605	.03	26	37
35-09-0010	5885817	1288310	4-63	5 305	19,026	3.63	691	26 14,784	3.98	589	4-70	37	775	-.04	22	38
35-09-0010	6275344	1288310	3-65	2 305	19,235	3.93	755	31 14,740	4.10	604	5-69	32	684	.00	25	38
35-09-0010	6275354	1432844	1-65	3 305	21,276	3.66	779	33 14,926	4.02	600	1-70	33	1,081	-.05	31	54
35-09-0010	6441023	1288310	8-65	2 305	19,415	4.19	813	37 15,120	4.14	626	7-69	32	665	.04	30	42
35-09-0010	6454601	1288310	9-65	3 305	19,163	3.75	718	32 15,133	3.98	602	12-69	34	694	-.01	23	37
35-09-0011	4808173	1296264	9-58	3 305	17,613	4.17	734	22 14,900	3.75	559	11-69	35	529	.09	32	40
35-09-0025	6312480	1385164	5-65	3 305	19,813	4.03	798	22 14,126	3.87	546	11-69	33	871	.06	40	56
35-09-0033	6366100	1397209	3-65	3 305	19,846	3.44	683	42 14,580	3.76	548	1-70	42	973	-.05	27	48
35-09-0033	6820477	1397209	10-66	2 305	17,325	4.18	725	34 14,775	3.74	553	1-70	40	632	.04	29	40
35-09-0035	5240886	1199324	1-61	6 304	19,111	3.53	674	17 14,113	3.96	559	3-69	44	1,094	-.06	30	53
35-09-0045	6018036	1386406	9-63	5 305	19,924	4.33	862	14 16,442	4.21	692	1-70	44	769	.06	36	50
35-09-0047	6601341	1465302	4-66	3 281	17,627	4.33	763	18 14,787	3.70	547	11-69	32	577	.10	36	45
35-09-0047	6696622	1465302	8-66	2 305	18,740	3.52	659	40 14,255	3.70	528	11-69	29	732	-.02	23	38
35-09-0047	6696624	1465302	9-66	2 305	19,485	3.53	687	30 14,360	3.68	529	1-70	29	811	-.02	26	43
35-09-0054	6773520	1306247	10-66	2 305	21,240	3.27	695	20 14,615	3.81	557	9-69	40	1,117	-.09	27	51
35-09-0058	6094055	1397209	2-64	5 288	16,890	3.85	651	9 14,424	3.67	530	3-70	44	666	.01	26	39
35-09-0058	6194873	1383926	8-64	3 305	16,426	3.86	634	7 14,140	3.67	519	4-69	42	551	.05	27	37
35-09-0060	6641787	1377954	10-66	2 305	19,115	3.40	650	23 14,075	3.82	538	12-69	40	862	-.03	27	45
35-09-0067	6318805	1237057	1-65	2 305	26,840	3.81	1023	13 17,560	4.05	711	5-69	40	1,275	-.05	39	65
35-09-0067	6318806	1237057	1-65	3 305	24,857	3.77	937	13 18,770	4.02	754	2-70	42	1,042	-.06	29	51
35-09-0067	6781330	1386406	5-66	1 305	25,950	3.47	901	6 19,380	3.92	759	12-69	36	859	-.03	26	44
35-09-0067	6824981	1386406	7-65	3 303	24,160	3.84	927	11 18,720	3.99	747	2-70	42	979	.00	36	55
35-09-0067	6901702	1386406	11-66	2 305	23,060	3.69	851	8 19,025	3.89	740	1-70	40	770	-.01	26	42
35-09-0067	6901705	1479345	3-66	3 302	24,720	4.10	1014	14 19,083	3.95	754	2-70	29	877	.06	41	57
35-09-0076	6571392	1386406	2-66	2 303	17,695	4.06	718	13 15,085	3.78	570	11-69	40	586	.05	28	38
35-09-0076	6966487	1261857	10-67	1 304	22,570	3.53	796	26 16,360	3.66	598	12-69	36	951	.05	42	60
35-09-0078	5795533	1214317	3-63	4 305	17,300	3.71	641	18 13,880	3.71	515	1-70	43	646	.00	24	37
35-09-0078	7015707	1383926	9-66	2 305	18,495	3.41	631	10 14,915	3.59	535	3-70	40	667	.00	24	37
35-09-0078	7015711	1441298	10-66	1 305	17,340	3.68	638	10 14,660	3.71	544	7-69	33	849	-.07	21	39
35-09-0079	6326183	1397209	9-64	4 305	17,730	4.13	733	16 15,425	3.77	581	1-70	43	649	.05	30	42
35-09-0161	5979862	1244845	8-63	4 305	18,995	3.87	736	17 15,315	3.87	592	6-69	44	687	-.01	23	37
35-09-0161	6563910	1400836	7-64	3 305	21,120	4.14	875	20 15,730	3.94	620	5-69	31	778	.07	39	53
35-09-0161	6892562	1458744	3-67	1 305	19,980	3.48	695	29 14,880	3.89	579	8-69	36	945	-.04	28	48
35-09-0161	7131912	1476130	11-67	1 305	22,550	3.88	874	24 16,200	3.97	643	12-69	22	636	.01	25	37
35-10-0005	6451665	1314767	11-65	3 305	18,803	3.64	685	19 14,400	3.71	534	10-69	42	698	.01	27	41
35-10-0005	6483347	1314767	10-65	3 305	17,936	3.94	706	18 14,466	3.72	538	12-69	42	592	.06	30	40
35-10-0016	5929148	1199324	11-63	3 301	19,690	3.73	735	13 14,703	3.90	574	8-69	42	1,046	-.02	34	55
35-10-0021	6927105	1314767	1-66	2 305	20,675	3.21	664	14 14,840	3.45	512	12-69	40	795	-.02	26	42
35-10-0029	5735212	1106334	8-62	3 305	21,567	4.13	890	16 15,480	3.59	556	12-68	42	787	.15	50	62
35-10-0029	5960487	1406271	9-63	3 305	20,5											

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C OC REPT (%)	O MILK (LB)	I FAT (%)	N FAT (LB)	D FAT (LB)	E FAT (LB)	X..... OOL- LARS
35-11-0021	6486351	1236789	12-65	3 305	20,230	3.70	748	29	16,140	3.61	583	2-70	42	866	.01	33	\$ 50	
35-11-0033	6430627	1236789	1-65	3 305	15,976	3.95	631	20	13,010	3.96	515	9-69	42	699	.01	26	40	
35-11-0033	6560055	1236789	1-66	2 305	16,410	3.62	594	18	12,535	3.91	490	9-69	40	757	-.02	24	40	
35-11-0033	6725139	1236789	9-65	3 305	16,020	4.41	707	22	13,256	3.95	524	11-69	42	678	.07	34	46	
35-11-0038	6370081	1236789	9-65	3 305	16,813	3.80	639	17	14,283	3.70	529	12-69	42	663	.01	26	39	
35-11-0038	6870370	1357797	5-67	1 305	17,610	3.80	670	9	13,810	3.78	522	7-69	35	527	.11	35	43	
35-11-0042	6801863	1236789	10-66	2 305	18,100	3.56	644	15	12,760	3.66	467	11-69	40	909	-.01	31	49	
35-11-0044	6813015	1236789	5-67	1 305	17,150	4.03	692	19	12,760	4.19	535	10-69	35	724	.00	26	40	
35-11-0044	7229046	1236789	2-67	1 305	17,410	3.41	593	10	12,520	3.69	462	4-69	35	760	-.02	24	40	
35-11-0045	6116728	1236789	8-64	4 294	16,585	3.64	604	15	13,990	3.73	522	2-70	43	679	-.01	23	37	
35-11-0047	4669613	1070036	1-58	3 305	16,987	4.11	699	11	15,183	3.82	580	1-69	42	502	.10	32	40	
35-11-0047	5980283	1410096	11-63	4 305	19,407	4.08	792	13	15,170	3.84	583	1-70	37	846	.10	46	60	
35-11-0047	6829509	1406271	1-67	1 305	17,690	4.01	710	18	16,030	3.87	621	12-69	36	598	.05	29	40	
35-11-0050	5583880	1189870	1-62	4 305	20,798	3.27	680	10	15,733	3.39	534	11-69	44	864	-.03	27	45	
35-11-0070	5675965	1314767	6-62	5 305	16,270	3.60	586	18	12,408	3.73	463	10-68	44	659	.01	25	38	
35-11-0197	6268794	1386406	11-64	4 303	17,997	3.40	612	9	14,705	3.57	525	1-70	44	708	-.02	23	37	
35-11-0198	6382871	1386406	10-65	3 305	19,083	3.24	618	13	14,816	3.66	543	1-70	42	800	-.05	21	38	
35-12-0003	6017012	1386406	11-63	4 301	18,580	3.64	677	18	16,102	3.59	578	1-69	44	624	.02	25	37	
35-12-0003	6069363	1314767	1-64	4 305	18,912	4.20	794	17	16,045	3.61	579	3-70	44	562	.12	37	45	
35-12-0003	6505628	1330987	10-65	3 305	17,773	4.24	754	24	15,960	3.72	593	11-69	42	544	.11	36	44	
35-12-0007	6705030	1314767	2-65	2 305	17,010	4.00	681	37	13,475	3.58	482	4-69	40	547	.07	30	39	
35-12-0007	6793303	1314767	5-65	3 302	18,310	3.42	627	49	13,220	3.67	485	10-69	42	764	-.01	26	41	
35-12-0007	6913990	1314767	12-65	2 305	17,465	3.98	695	46	13,650	3.60	491	12-69	40	578	.07	31	41	
35-12-0048	5981691	1314767	8-63	5 305	17,940	3.70	664	12	14,988	3.62	543	1-70	44	575	.04	26	37	
35-12-0098	6442382	1386406	11-65	2 302	16,435	4.01	659	6	14,740	3.41	503	1-70	40	489	.08	29	37	
35-13-0037	6332221	1447414	4-65	3 302	19,286	3.71	715	43	16,266	3.66	596	6-69	37	1,113	.00	40	62	
35-13-0037	6473068	1308091	12-65	2 305	20,015	4.13	827	38	16,370	3.55	581	3-69	40	576	.06	29	39	
35-13-0048	6430344	1316533	9-65	2 305	21,800	3.77	822	15	14,585	3.55	518	11-69	40	728	.04	32	45	
35-13-0050	6728104	1458744	10-66	1 305	20,530	3.38	693	11	15,520	3.76	584	3-70	36	943	-.05	27	47	
35-13-0050	6836623	1458744	2-67	1 305	18,010	3.86	695	19	14,640	3.67	537	6-69	36	815	.01	31	47	
35-13-0051	6709297	1261857	12-66	1 279	18,470	3.45	638	8	16,310	3.76	614	3-70	36	649	.04	29	41	
35-13-0051	6988598	1261857	8-67	1 305	18,440	3.46	638	14	16,410	3.80	624	1-70	36	640	.03	28	40	
35-13-0058	6444779	1236789	8-65	3 305	21,250	3.70	786	25	17,573	3.77	662	12-69	42	835	-.01	29	46	
35-13-0058	6754366	1236789	9-66	2 305	21,065	4.09	861	32	16,885	3.78	639	12-69	40	833	.05	37	52	
35-13-0058	6754379	1070036	2-67	1 305	23,680	3.66	866	14	16,580	3.92	650	5-69	36	857	.03	36	52	
35-13-0058	7005612	1357797	8-67	1 305	25,950	3.78	981	13	17,850	3.87	690	3-70	35	882	.10	47	62	
35-13-0062	6571110	1236789	3-66	2 305	19,060	3.65	695	11	15,610	3.88	606	4-69	40	745	-.03	23	38	
35-13-0066	6804193	1377954	3-67	2 305	17,185	3.78	650	22	14,360	3.84	551	3-70	40	640	.02	26	38	
35-13-0068	7247360	1261857	3-67	1 66	17,540	3.67	643	29	14,270	3.73	532	10-69	8 36	716	.06	35	48	
35-13-0080	6740240	1645878	10-66	2 183	17,890	4.07	729	19	14,315	3.93	563	1-70	8 34	657	.02	27	39	
35-13-0094	6130306	1396268	9-64	3 305	18,976	4.33	822	38	14,080	3.72	524	2-70	33	709	.12	43	54	
35-13-0094	6355556	1420676	7-65	2 305	17,600	3.44	606	36	13,550	3.84	520	6-69	31	811	-.06	20	38	
35-13-0094	6526504	1420676	3-66	2 305	15,965	4.17	665	31	13,280	3.88	515	11-69	31	648	.02	27	39	
35-13-0094	6526505	1420676	4-66	2 305	17,745	3.53	627	28	13,280	3.89	517	3-70	31	856	-.05	23	41	
35-13-0102	5506114	1357797	12-61	6 305	19,463	3.88	756	13	16,220	3.72	603	6-69	44	664	.12	42	52	
35-13-0102	6665955	1377954	11-66	1 305	19,410	3.98	772	8	16,220	3.92	636	6-69	36	626	.03	27	39	
35-13-0106	5690114	1386406	7-62	4 305	20,820	3.56	741	5	14,602	3.70	540	2-69	44	1,068	-.01	37	58	
35-13-0125	7042841	1261857	9-67	1 305	15,350	3.65	560	14	13,680	3.55	486	2-70	36	593	.07	32	42	
35-13-0125	7042844	1261857	11-67	1 305	16,100	3.65	588	17	13,990	3.47	486	1-70	36	628	.08	34	45	
35-13-0130	5986920	1330987	10-63	3 305	17,817	3.44	613	15	14,723	3.60	530	5-69	42	678	.01	26	39	
35-13-0133	6175805	1314767	10-64	3 305	20,206	3.32	670	14	15,276	3.60	550	5-69	42	769	-.03	24	40	
35-13-0136	6657789	1449138	10-65	3 302	18,863	3.76	710	9	14,740	3.73	550	2-70	32	696	.01	27	40	
35-13-0136	6905805	1449138	11-66	2 305	19,760	3.82	755	10	14,395	3.69	531	11-69	29	780	.03	32	47	
35-13-0137	6986467	1377954	10-67	1 305	20,380	3.58	730	12	14,740	3.71	547	11-69	36	797	.01	30	46	
35-13-0162	6987363	1261857	5-67	1 305	16,560	3.94	653	9	14,570	3.62	528	9-69	36	623	.09	36	46	
35-13-0293	6257112	1386406	12-64	3 305	16,256	3.41	554	20	12,406	3.57	443	5-69	42	724	-.01	24	39	
35-13-0293	6699370	1386406	10-66	1 305	16,050	4.14	664	21	12,610	3.52	444	4-69	36	575	.06	29	39	
35-13-0294	6423615	1314767	11-65	3 305	18,893	3.76	711	14	15,466	3.64	563	11-69	42	598	.04	27	38	
35-13-0294	6673391	1314767	12-66	2 303	19,560	3.62	709	12	15,255	3.68	562	11-69	40	644	.02	26	38	
35-13-0297	6161328	1386406	9-64	3 305	17,616	4.19	738	9	14,220	3.83	545	8-69	42	693	.07	35	47	
35-13-0297	6222165	1386406	12-64	3 305	20,253	3.66	741	9	14,470	3.80	550	7-69	42	970	.00	35	54	
35-13-0298	6391142	1386406	8-65	2 305	16,330	4.17	681	32	13,640	3.82	521	6-69	40	579	.06	29	39	
35-13-0298	6473215	1386406	10-65	2 305	16,345	4.00	653	32	13,640	3.82	521	6-69	40	581	.03	26	37	
35-13-0320	6446243	1329588	10-65	3 300	20,387	3.35	682	36	16,067	3.32	533	1-70	42	755	-.03	23	39	
35-13-0324	6156250	1428104	7-64	3 305	18,640	3.23	603	13	13,426	3.51	471	3-69	40	1,151	-.10	26	51	
35-13-0326	4863852	967873	3-59	3 305	19,847	3.67	729	11	15,313	3.86	591	4-69	42	769	-.05	21	37	
35-13-0326	6759168	1242221	12-66	1 305	19,280	3.96	763	12	16,440	3.82	628	4-69	34	960	.02	37	56	
35-13-0326	6979999	1242221	9-67	1 305	19,660	3.75	737	16	16,090	3.80	612	2-70	34	1,013	.00	36	56	
35-13-0329	6293824	1314767	10-64	3 305	16,906	3.63	614	9	13,133	3.46	455	4-69	42	611	.03	27	38	
35-13-0329	6506390	1330987	3-66	1 305	15,950	3.47	554	15	12,920	3.32	429	11-69</						

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COM'S AVERAGE PRODUCTION. RECS OAYS MILK (L8) FAT (%) FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8) FAT (%) FAT (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8) FAT (%) FAT (L8)	I N O E X..... FAT (%) FAT (%) DOL- LARS
35-14-0015	6421848	1462170	9-65	3 299 20,973 3.65 765	23 15,823 3.70 585	10-69 29	761 .00 27	\$ 42
35-14-0025	6685424	1473510	9-66	2 305 20,125 3.53 710	35 16,205 3.31 537	11-69 35	675 .01 26	39
35-14-0025	6773024	1261857	12-66	1 305 20,440 3.16 645	17 16,920 3.20 542	4-69 36	755 .05 34	48
35-14-0025	6827275	1070036	1-67	2 305 20,935 3.06 641	38 16,185 3.34 541	1-70 40	795 .00 28	44
35-14-0037	6081543	1237057	3-64	3 295 20,607 3.77 776	40 15,700 3.64 571	4-69 8 42	871 -.02 29	47
35-14-0038	5225774	1070036	7-60	3 305 16,320 3.71 605	14 13,343 3.59 479	1-69 42	616 .07 32	43
35-14-0038	5462036	1070036	9-60	4 305 15,725 3.48 547	9 12,923 3.71 480	7-69 44	607 .02 25	37
35-14-0038	5817877	1070036	9-61	3 305 18,953 3.38 641	15 13,593 3.54 481	9-68 42	893 .02 35	52
35-14-0041	5934529	1386406	10-63	3 293 19,043 3.20 610	8 14,743 3.63 535	4-69 42	802 -.05 21	38
35-14-0041	6080012	1329588	12-63	4 304 18,658 3.75 700	9 14,228 3.70 526	1-69 44	779 .00 28	43
35-14-0046	6831102	1239242	3-67	1 305 21,870 3.73 815	17 15,820 3.79 599	7-69 36	749 -.01 26	41
35-14-0053	7371250	1236789	9-67	1 305 20,960 3.81 798	25 14,000 3.84 538	10-69 35	927 .00 34	52
35-14-0057	5698740	1357797	7-62	5 305 17,836 4.08 727	21 14,556 3.74 545	1-70 44	647 .15 45	54
35-14-0090	6748434	1236789	1-67	1 305 18,490 3.41 631	19 14,720 3.53 519	9-69 35	692 -.01 23	37
35-14-0092	5531531	1189870	10-61	3 303 23,823 3.43 818	23 16,483 3.76 620	12-68 42	1,095 -.04 33	56
35-14-0092	6183635	1416074	7-64	4 297 20,195 3.66 739	21 16,175 3.62 585	9-69 35	780 -.01 27	43
35-14-0092	6231723	1273756	8-64	3 305 19,256 4.05 780	18 15,193 3.96 601	4-69 42	805 .05 37	52
35-14-0092	6531742	1406271	10-65	3 305 20,243 4.09 827	20 17,056 3.75 640	11-69 42	819 .08 42	56
35-14-0092	6596446	1406271	4-66	2 305 17,490 4.29 750	23 15,730 3.83 603	6-69 40	628 .09 36	46
35-14-0092	6608838	1236789	9-66	1 305 19,440 4.19 814	14 17,260 3.67 633	2-69 35	591 .05 29	39
35-14-0092	7012891	1496750	10-67	1 113 24,180 4.38 1058	20 17,110 3.70 633	1-70 8 19	702 .11 42	53
35-14-0096	5295240	1055021	10-60	3 237 18,923 4.01 758	37 16,150 3.62 584	3-70 8 39	627 .02 26	38
35-14-0096	5847579	1055021	7-63	4 305 20,427 3.73 762	44 16,037 3.58 574	2-69 40	856 -.01 30	47
35-14-0096	6815386	1236789	9-66	1 305 21,830 3.33 726	53 16,170 3.53 570	2-70 35	845 -.02 27	44
35-14-0101	6278013	1222994	2-65	3 305 16,547 4.24 701	28 14,710 3.73 549	9-69 42	511 .07 28	37
35-14-0101	6459600	1236789	12-65	3 305 19,153 3.52 674	28 15,393 3.74 575	12-69 42	819 -.03 25	42
35-14-0106	6470861	1445915	10-65	2 305 19,970 3.66 731	12 14,780 3.72 550	8-69 38	832 -.05 23	41
35-14-0116	6333611	1357797	3-65	3 305 15,700 4.15 652	11 12,693 3.73 474	12-69 42	555 .15 42	49
35-14-0123	6608154	1236789	10-64	4 293 17,370 3.89 675	8 13,785 3.71 512	12-69 43	800 .03 33	48
35-14-0141	6796322	1308101	10-66	1 305 20,800 3.88 806	21 17,450 3.75 654	1-70 36	867 .00 31	48
35-14-0141	7084708	1330987	10-67	1 305 19,980 3.92 784	21 17,490 3.74 655	1-70 36	557 .06 29	39
35-14-0161	5682758	1070036	4-62	4 305 18,815 3.35 631	11 15,650 3.58 561	6-69 44	686 .01 26	39
35-14-0161	6715842	1236789	8-66	1 305 18,560 3.42 635	16 13,510 3.63 490	8-69 35	779 -.02 25	41
35-14-0166	5257157	1342846	9-60	3 238 20,670 3.64 753	19 16,333 3.58 584	12-68 8 33	645 .01 24	37
35-14-0166	5502630	1070036	1-62	3 216 18,687 4.19 783	19 16,003 3.54 566	3-69 8 42	613 .14 43	52
35-14-0167	5611843	1321517	8-61	4 305 20,553 3.33 684	12 15,278 3.69 564	2-70 43	820 -.07 19	37
35-14-0167	6570008	1236789	12-65	2 305 17,805 3.67 654	8 15,295 3.64 556	7-69 40	646 .00 24	37
35-14-0167	6570010	1236789	1-66	2 305 18,940 3.66 694	11 15,585 3.61 562	8-69 40	735 .00 27	41
35-14-0167	6570011	1236789	1-66	2 305 16,875 4.08 689	8 15,295 3.64 556	7-69 40	551 .05 27	37
35-14-0167	6815383	1236789	8-66	1 305 20,560 3.54 728	11 15,990 3.66 585	1-69 35	762 -.01 26	41
35-14-0169	6600241	1261857	7-66	2 304 18,275 3.74 683	8 15,540 3.60 560	8-69 40	736 .08 38	51
35-14-0169	6678765	1261857	10-66	2 297 19,215 4.47 859	21 16,650 3.68 613	10-69 40	730 .17 51	61
35-14-0169	6808854	1261857	12-66	2 290 18,920 3.69 699	25 16,335 3.70 605	12-69 40	728 .06 35	48
35-14-0169	6808855	1261857	2-67	2 303 17,715 4.15 735	17 15,800 3.69 583	2-70 40	655 .12 41	51
35-14-0174	6721965	1261857	8-66	2 301 17,280 3.49 603	18 15,560 3.73 581	8-69 40	633 .04 28	40
35-14-0174	6721966	1261857	9-66	2 305 18,835 4.08 768	18 15,710 3.89 611	12-69 40	777 .09 42	55
35-14-0174	6721967	1261857	10-66	2 305 20,575 3.77 776	19 15,910 3.88 618	12-69 40	935 .06 42	59
35-14-0176	6946724	1236789	11-67	1 305 19,070 4.15 791	10 16,220 3.96 642	12-69 35	634 .03 27	39
35-14-0184	6558425	1236789	3-66	2 305 18,370 3.14 577	17 14,070 3.57 502	11-69 40	816 -.06 21	39
35-14-0186	6929367	1261857	3-67	1 305 17,460 4.24 740	13 15,270 3.98 608	7-69 36	643 .09 37	47
35-14-0191	5615049	1357797	1-62	6 304 17,938 3.74 671	10 15,210 3.68 559	4-69 44	583 .10 36	45
35-14-0191	6265928	1357797	12-64	4 305 18,630 3.81 709	7 15,502 3.63 562	3-70 43	623 .12 40	49
35-14-0199	6845142	1330987	3-67	1 305 21,520 3.87 833	9 16,300 3.98 648	5-69 36	751 .04 33	47
35-14-0200	6236438	1357797	12-64	4 305 18,085 3.85 697	15 14,827 3.86 573	10-69 43	631 .10 37	47
35-14-0200	6236439	1357797	1-65	4 305 18,985 4.65 882	19 15,490 3.85 596	11-69 43	669 .23 58	66
35-14-0200	6563969	1377954	1-66	3 305 18,000 4.27 769	17 15,737 3.89 612	1-70 42	618 .08 34	44
35-14-0200	6969984	1236789	11-67	1 305 19,110 3.69 706	18 14,490 4.01 581	9-69 35	754 -.02 24	39
35-14-0203	5568411	1236789	9-61	6 305 17,698 3.79 670	12 14,530 3.74 544	11-69 44	771 .01 29	44
35-14-0204	6292573	1236789	3-65	3 305 19,083 3.52 672	8 14,403 3.60 518	5-69 42	915 -.01 31	49
35-14-0204	6292574	1357797	3-65	3 295 16,746 3.80 637	10 14,820 3.61 535	6-69 42	454 .12 33	39
35-14-0207	6749177	1070036	10-66	1 305 18,240 3.86 704	13 14,700 3.59 527	4-69 36	578 .08 32	42
35-14-0207	6749178	1070036	12-66	1 305 21,710 3.85 835	46 14,250 3.61 514	11-69 36	867 .08 43	58
35-14-0215	5842121	1400575	4-63	5 305 21,324 3.31 705	21 16,110 3.54 570	2-70 43	1,053 -.11 22	46
35-14-0215	6809040	1406271	1-67	1 305 18,870 3.84 725	19 16,380 3.55 581	4-69 36	662 .06 33	45
35-14-0220	5735709	1225853	9-62	3 305 18,973 4.40 835	12 15,993 3.78 605	12-68 42	423 .15 37	42
35-14-0220	6318440	1236789	1-65	2 305 19,545 3.91 764	13 15,040 3.73 561	9-69 40	847 .03 35	51
35-14-0220	6682189	1236789	7-66	1 305 21,310 3.59 766	16 16,060 3.93 631	11-68 35	814 -.03 25	42
35-14-0224	5496990	1357797	2-61	4 305 18,105 3.37 610	10 14,737 3.67 541	8-69 43	644 .05 30	42
35-14-0224	5839797	1357797	2-63	4 305 16,377 4.02 658	9 14,715 3.68 541	6-69 43	431 .14 36	41
35-14-0224	6445611	1236789	9-65	3 297 19,446 3.50 680	6 15,230 3.81 580	12-69 42	870 -.04 25	43
35-14-0226	6459670	1330987	9-65	2 305 18,115 3.44 623	7 14,625 3.86 565	4-69 40	685 .00 24	38
35-14-0227	7020019	1357797	12-67	1 305 18,020 3.87 697	14 15,120 3.89 588	11-69 35	469 .10 32	39
35-14-0239	6618948	1377954	7-66	2 298 17,790 4.09 727	14 16,280 3.78 615	11-69 40	526 .06 28	37
35-14-0240	6237450	1424289	4-64	2 305 19,935 4.22 841	7 15,800 3.65 577	7-69 29	605 .12 39	48
35-14-0242	6794237	1406271	1-67	2 305 20,065 3.40 682	13 17,185 3.63 623	2-70 40	756 .00 27	42
35-14-0242	6817787	1406271	1-67	1 305 20,270 3.45 700	5 17,790 3.68 655	3-70 36	672 .01 26	39
35-14-0339	6271895	1236789	10-64	1 305 18,920 3.41 645	19 14,160 3.91 553	12-69 35	762 -.04 22	38
35-14-0406	6948075	1377954	11-66	2 305 18,415 4.00 737	15 15,555 3.72 579	12-69 40	655 .06 32	44
35-14-0471	6420555	1420676	7-65	3 305 16,846 3.51 592	29 11,753 3.79 446	1-70 34	967 -.05 28	48
35-14-0471	6554030	1415324	1-66	2 305 15,780 4.24 669	32 11,410 3.79 433	11-69 29	597 .07 32	42
35-14-0503	6776043	1236789	8-66	1 305 21,890 3.35 734	9 14,770 3.69 545	4-69 35	945 -.03 29	49
35-14-0511	5894793	1222994	1-63	3 305 19,823 3.34 662	9 15,280 3.64 556	3-70 42	829 -.05 23	41
35-14-0511	7114511	1222994	9-66	1 305 20,100 3.53 709	8 13,730 3.80 522	5-69 36	794 -.02 25	41
35-14-0560	6391043	1315578	10-65	2 305 16,690 3.81 636	18 12,700 3.79 481	1-70 40	601 .09 35	45
35-14-0584	6687697	1236789	8-65	3 305 18,266 3.73 681	13 15,010 3.76 565	9-69 42	756 .00 27	42

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HERDMATE NO. MILK (LBS)	AVERAGES.. FAT (%)	FAT (LBS)	LAST CALVD MO-YR	T C D	.....C O W MILK (LBS)	I N D E X..... FAT (%)	FAT (LBS)	OOL- LARS		
35-14-0609	6490778	1236789	11-65	1 305	22,020	3.23	711	7	16,130	3.65	589	3-70	35	862	-.05	24	\$ 42
35-14-0609	6992015	1357797	10-67	1 305	20,690	4.06	840	10	15,880	3.51	558	2-70	35	619	-.16	45	53
35-15-0001	6859993	1397209	3-67	1 305	17,810	3.62	645	5	13,750	3.53	485	3-70	35	692	-.01	24	38
35-15-0017	6982250	1397209	9-67	1 305	21,850	3.76	822	8	18,420	3.77	694	2-70	35	680	-.01	23	37
35-15-0018	6626197	1383926	2-65	3 305	17,220	4.05	697	11	15,586	3.50	545	7-69	42	492	-.10	32	39
35-15-0023	6190065	1386406	7-64	4 305	16,607	3.91	650	12	13,830	3.58	495	11-69	44	633	-.06	31	42
35-15-0023	6317924	1386406	12-64	3 298	18,283	3.93	718	14	13,536	3.60	487	2-70	42	840	-.06	39	54
35-15-0024	5701485	1214317	8-62	4 302	20,105	3.39	682	29	14,993	3.62	543	11-69	43	870	-.04	26	44
35-15-0025	6356581	1436236	4-65	3 305	16,240	4.07	661	19	12,440	3.65	454	10-69	29	520	-.07	29	38
35-15-0026	6409416	1306247	9-65	3 305	17,306	3.41	590	20	13,700	3.58	491	12-69	42	837	-.04	24	42
35-15-0031	6309866	1397209	10-64	4 305	20,597	4.07	838	15	18,192	3.63	661	2-70	43	696	-.06	34	46
35-15-0031	6562751	1397209	2-66	2 305	20,535	3.63	745	12	17,800	3.52	627	9-69	40	682	-.00	24	38
35-15-0031	6923187	1366229	10-67	1 305	25,280	3.68	930	16	18,400	3.63	667	12-69	35	624	-.07	32	43
35-15-0095	6411822	1397209	1-65	3 302	17,950	3.59	645	12	14,023	3.54	496	7-69	42	810	-.01	28	44
35-15-0127	6679184	1366229	10-66	1 305	20,680	4.01	830	11	15,950	3.54	565	12-69	35	443	-.11	32	38
35-16-0031	6921021	1377954	3-66	1 305	20,240	3.80	769	6	16,650	3.98	662	4-69	36	659	-.01	25	38
35-16-0031	6982596	1261857	3-67	1 305	16,400	4.09	671	9	14,830	4.14	614	8-69	36	594	-.07	31	41
35-16-0031	6982597	1261857	3-67	1 305	17,280	4.41	762	9	14,150	3.89	551	2-70	36	705	-.11	42	53
35-16-0031	6982598	1261857	11-67	1 299	18,940	4.40	833	7	15,390	3.98	613	1-70	36	746	-.11	43	55
35-17-0006	6440859	1427847	8-65	2 305	19,690	3.46	681	9	12,690	3.93	499	8-69	30	1,025	-.09	24	47
35-17-0009	5901934	1314767	7-63	4 305	20,860	3.78	789	13	13,867	3.85	534	6-69	44	1,045	-.03	42	62
35-17-0012	6376284	1314767	2-65	3 305	19,973	3.55	709	16	14,140	3.68	521	1-70	42	860	-.01	32	49
35-17-0019	6691058	1458744	9-66	2 300	22,220	3.46	768	32	16,430	3.76	618	11-69	40	1,138	-.05	34	58
35-17-0033	5987708	1386406	8-63	4 293	17,085	3.68	628	17	14,112	3.53	498	12-68	44	661	-.03	28	40
35-17-0050	5391819	1309811	3-61	3 305	20,733	3.55	737	11	13,473	3.82	514	7-69	32	960	-.02	31	51
35-17-0050	6662505	1383004	11-66	2 305	20,970	3.41	716	19	14,525	3.79	550	11-69	40	655	-.06	32	44
35-17-0054	6070081	1397962	1-64	4 299	17,883	3.86	690	15	13,913	3.72	517	12-69	32	596	-.03	26	37
35-17-0054	7158997	1479662	11-66	1 305	22,930	3.81	873	7	14,550	3.65	531	9-69	19	802	-.03	33	48
35-17-0055	6230708	1329588	9-64	3 304	20,350	3.31	674	22	14,243	3.66	521	7-69	42	940	-.07	24	44
35-17-0065	6862986	1488054	7-67	1 226	22,370	3.62	810	34	15,350	3.71	570	1-70	8 19	681	-.00	24	38
35-17-0069	6421498	1314767	1-66	3 272	20,546	3.67	754	11	15,073	3.65	550	3-70	8 42	829	-.03	34	50
35-17-0071	5319526	1313975	11-60	7 298	16,517	3.66	604	14	12,541	3.65	458	12-69	36	665	-.03	28	40
35-17-0071	6401507	1437852	8-65	2 305	19,330	3.64	704	12	14,490	3.72	539	4-69	30	775	-.01	29	44
35-17-0089	5448348	1386406	9-61	5 305	18,440	3.95	728	7	15,842	3.64	576	5-69	44	647	-.06	32	43
35-17-0121	6434693	1383004	3-65	1 303	23,890	3.87	924	11	18,790	3.29	619	4-70	36	410	-.17	39	43
35-18-0012	6254918	1432742	10-64	3 302	18,126	4.29	777	26	14,410	4.00	577	8-69	32	573	-.09	34	43
35-18-0058	6954854	1432844	10-67	1 305	19,100	4.03	769	6	12,990	3.49	453	2-70	25	782	-.04	34	49
35-20-0018	6827487	1377954	5-67	1 305	18,040	3.62	653	6	14,230	3.74	532	9-69	36	657	-.01	25	38
35-20-0022	6698585	1448297	11-66	2 302	20,145	3.43	690	31	16,345	3.33	544	11-69	38	792	-.04	23	40
35-20-0022	6881738	1306247	9-66	2 305	18,000	3.49	629	20	15,465	3.40	526	9-69	40	708	-.01	24	38
35-20-0076	6641819	1236789	1-65	2 305	19,540	3.57	698	11	16,000	3.43	549	2-69	40	758	-.01	29	44
35-20-0076	7096823	1236789	4-67	1 305	19,310	3.82	738	8	13,780	3.70	510	11-69	35	818	-.02	32	48
35-20-0088	4435643	1000390	8-55	3 305	18,960	3.93	746	37	15,323	3.65	560	8-69	42	516	-.09	32	40
35-20-0088	5463121	1189870	11-61	4 304	20,760	3.52	731	34	16,455	3.52	580	3-70	44	779	-.00	28	43
35-20-0088	6149950	1386406	8-64	4 301	21,477	3.08	662	30	16,445	3.55	584	3-70	44	944	-.08	22	43
35-20-0088	6656533	1469717	8-66	2 305	19,280	3.84	740	29	14,540	3.71	540	11-69	30	709	-.02	29	42
35-20-0091	5945852	1392286	8-63	3 305	18,310	3.63	664	16	13,420	3.58	481	2-69	33	760	-.01	26	41
35-20-0091	6191524	1429641	11-64	3 301	20,450	3.33	682	22	14,347	3.68	528	11-69	32	950	-.06	25	45
35-20-0102	5225379	1297165	10-60	3 305	23,857	3.17	757	18	16,970	3.49	592	2-69	33	976	-.09	22	44
35-20-0102	5948949	1408717	5-63	4 299	18,875	3.96	748	20	16,750	3.58	599	4-70	34	503	-.08	29	37
35-20-0102	5948951	1408717	10-63	4 298	20,110	3.90	785	24	16,940	3.57	605	12-69	34	657	-.07	34	45
35-20-0107	5759705	1357797	10-61	5 305	16,742	3.88	650	32	14,214	3.61	513	1-69	44	544	-.13	38	46
35-20-0107	6550080	1236789	7-65	3 305	17,976	3.58	644	13	15,086	3.54	534	3-70	42	714	-.00	26	40
35-20-0110	6958032	1236789	12-66	1 267	22,490	3.27	736	7	16,390	3.75	615	6-69	8 35	880	-.05	24	43
35-20-0110	6958033	1236789	1-67	1 305	22,130	3.89	860	15	16,930	3.72	630	3-69	35	816	-.02	33	49
35-20-0110	7102492	1236789	4-67	1 299	18,310	4.09	748	9	15,700	3.68	578	5-69	8 35	612	-.04	28	39
35-20-0119	5541132	1321517	10-61	3 305	20,407	3.85	785	17	15,717	3.61	567	12-68	42	717	-.02	29	43
35-20-0119	6356126	1455088	7-65	3 295	20,350	3.55	722	17	16,113	3.62	583	12-69	33	745	-.01	26	41
35-20-0124	5647075	1383551	8-62	4 296	20,853	3.63	758	12	15,915	3.64	579	11-69	43	735	-.01	25	40
35-20-0128	6490542	1236789	12-65	1 305	16,610	3.97	659	9	14,280	3.54	506	2-70	35	580	-.03	26	37
35-20-0149	6174860	1276654	8-64	3 304	20,610	3.68	759	20	15,770	3.48	549	3-69	42	718	-.02	29	43
35-20-0149	6615981	1236789	4-66	2 303	17,615	3.65	643	15	14,385	3.55	510	8-69	40	710	-.01	27	41
35-20-0149	6615982	1236789	4-66	2 305	19,780	3.82	756	21	16,270	3.38	550	1-70	40	758	-.05	35	49
35-20-0155	6823952	1236789	2-67	1 305	18,030	3.45	622	6	13,110	4.04	530	8-69	35	766	-.05	21	37
35-20-0158	5839596	1236789	1-63	4 305	16,775	3.65	613	25	13,565	3.63	492	9-68	43	751	-.01	28	43
35-20-0158	6073477	1236789	6-63	3 305	17,050	3.84	654	21	14,400	3.67	529	9-68	42	678	-.02	28	41
35-20-0158	6359350	1236789	3-65	2 304	18,785	3.61	678	30	13,830	3.66	506	9-68	40	881	-.01	31	49
35-20-0162	6079484	1236789	1-64	5 300	16,768	3.44	576	19	13,306	3.61	481	2-70	44	794	-.03	24	41
35-20-0190	5418028	1357797	5-61	7 305	18,391	3.96	729	8	16,770	3.57	599	2-70	44	459	-.16	39	44
35-20-0190	5964586	1236789	7-63	4 305	19,320	3.88	750	8	16,287	3.65	595						

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN- MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	PRODUCTION FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..OOL- LARS	
35-20-0217	5380501	1277493	11-60	3 305	21,720	3.82	829	19 16,707	3.59	600	9-69	42	712	.02	28	\$ 42
35-20-0217	5621692	1357797	4-62	2 305	19,190	3.94	756	15 16,890	3.68	621	4-69	40	491	.13	37	43
35-20-0217	6393458	1425105	6-65	3 305	20,453	3.66	748	10 16,210	3.72	603	5-69	37	752	-.02	24	39
35-20-0217	6680651	1261857	12-66	1 288	19,600	3.92	768	16 17,340	3.50	607	10-69	36	664	.10	39	50
35-20-0217	6752500	1222994	7-66	2 305	22,930	3.73	855	18 16,635	3.51	584	10-69	40	967	.03	39	57
35-20-0236	5533511	1357797	12-61	6 301	18,548	3.67	680	22 15,415	3.63	560	11-68	44	639	.10	37	47
35-20-0253	5764573	1357797	11-62	6 303	20,963	4.01	840	10 16,363	3.71	607	3-70	44	843	.15	52	65
35-20-0253	6299780	1357797	1-65	3 305	18,917	3.63	687	11 16,330	3.75	612	3-69	42	548	.08	31	40
35-20-0253	6361793	1357797	7-65	3 300	18,570	4.18	777	5 15,630	3.80	594	10-69	42	581	.16	44	52
35-20-0253	6887485	1357797	7-67	1 296	18,580	4.08	758	8 15,860	3.92	622	7-69	35	461	.12	34	40
35-20-0253	7031085	1357797	3-68	1 305	19,120	4.27	817	5 16,990	3.90	662	4-70	35	425	.14	36	41
35-20-0258	5745327	1357797	9-62	5 301	15,316	4.04	619	8 13,518	3.58	484	2-70	44	440	.15	38	43
35-20-0258	6463819	1236789	6-65	2 305	16,880	3.87	654	16 13,040	3.74	488	11-69	40	759	.02	30	45
35-20-0263	6810717	1236789	9-66	1 305	18,920	3.81	721	14 15,830	3.73	591	7-69	35	649	.01	25	38
35-20-0264	6000929	1236789	12-63	4 305	21,885	3.98	871	10 14,912	3.78	564	4-70	43	1,236	.05	52	75
35-20-0264	6491803	1461243	1-66	2 302	23,125	3.10	716	17 14,985	3.84	576	2-69	25	1,043	-.12	19	43
35-20-0264	6831438	1236789	1-67	2 305	17,390	3.80	661	15 14,645	3.87	567	2-70	40	663	.00	24	37
35-20-0273	6246171	1294703	11-64	4 300	19,613	3.55	697	15 16,170	3.51	568	1-70	43	830	-.03	26	43
35-20-0273	6246175	1294703	12-64	3 305	21,527	3.22	693	10 16,093	3.57	575	7-69	42	1,041	-.09	24	47
35-20-0275	5863283	1357797	3-63	2 305	16,370	4.06	664	12 14,690	3.64	535	10-69	40	405	.14	35	40
35-20-0437	6339001	1330987	1-65	3 305	17,723	3.69	654	7 14,467	3.45	499	6-69	42	693	.06	34	46
35-20-0500	6284260	1386406	11-64	4 301	18,387	3.87	711	15 15,950	3.79	605	12-69	44	618	.03	26	38
35-20-0543	6360151	1357797	2-65	3 212	19,586	4.08	800	14 16,423	3.68	604	2-70 B	42	617	.16	45	53
35-22-0001	6457872	1245390	4-65	3 305	20,223	3.18	644	30 14,630	3.70	542	12-69	41	990	-.13	16	39
35-22-0047	5948214	1309768	1-63	5 302	17,336	3.44	596	9 13,278	3.57	474	1-70	37	767	-.03	23	39
35-22-0047	6030821	1309768	3-64	4 299	16,090	3.69	593	7 12,225	3.54	433	8-69	36	706	.01	27	41
35-22-0052	5002138	1070198	11-59	3 305	21,423	3.95	846	19 16,687	3.68	614	10-69	42	762	.05	35	49
35-22-0052	5230522	1344372	7-60	7 305	21,760	4.05	881	12 16,640	3.59	597	1-70	36	795	.11	45	58
35-22-0052	6283802	1271810	11-64	3 305	24,180	3.40	823	17 17,736	3.73	661	1-70	42	1,095	-.09	26	50
35-22-0054	5680250	1106334	11-62	3 305	19,547	3.94	771	14 15,403	3.77	580	12-68	42	560	.09	33	42
35-22-0056	6262335	1383004	3-65	3 297	20,760	3.84	797	17 15,350	3.64	558	12-69	42	633	.13	42	51
35-22-0056	6341646	1397209	2-65	3 292	17,656	3.71	655	15 15,066	3.64	548	10-69	42	667	.00	24	37
35-22-0056	6617023	1406271	3-66	2 305	20,530	3.91	803	17 15,405	3.56	549	12-69	40	966	.07	46	63
35-22-0060	6230844	1437807	11-64	3 305	20,226	3.54	716	15 15,903	3.83	609	3-69	32	778	-.05	21	38
35-22-0060	6437561	1437807	9-65	3 298	18,673	3.87	722	12 15,336	3.83	588	9-69	32	636	.01	25	37
35-22-0060	6705832	1314767	1-67	2 305	21,090	3.51	740	19 16,235	3.76	611	1-70	40	709	-.01	24	38
35-22-0061	5516245	1340050	10-61	5 270	19,818	3.63	719	16 15,430	3.61	557	9-68 B	36	881	-.02	29	47
35-22-0065	4586643	1070198	1-58	3 305	20,303	3.40	691	13 15,920	3.50	557	4-69	42	712	-.02	23	38
35-22-0065	5962843	1415636	9-63	4 305	18,977	3.28	623	18 13,392	3.46	464	3-69	35	826	-.03	25	42
35-22-0065	6288376	1386406	3-65	2 305	20,490	3.53	723	16 16,380	3.55	581	1-70	40	751	.01	28	43
35-22-0066	6996774	1386406	7-66	2 305	19,215	3.27	628	15 14,355	3.70	531	12-69	40	807	-.04	23	40
35-22-0072	5684226	1404780	11-62	5 305	18,550	3.88	720	8 14,738	3.81	562	4-69	36	716	.06	34	47
35-22-0072	5723374	1404780	12-62	4 305	18,637	4.20	782	10 16,030	3.77	604	3-70	35	540	.12	37	45
35-22-0072	6142247	1404780	7-64	4 292	20,212	3.98	805	14 15,722	3.76	591	10-69	35	806	.09	42	56
35-22-0072	6142251	1329588	9-64	3 304	20,707	3.61	748	17 16,287	3.92	639	12-68	42	769	-.05	20	37
35-22-0072	6498816	1329588	3-66	2 305	19,445	3.81	740	16 15,015	3.85	578	10-69	40	703	-.02	23	37
35-22-0097	6746875	1261857	12-66	2 283	17,020	4.06	691	15 15,450	3.61	557	3-70	40	616	.12	39	48
35-22-0308	4396765	1234073	1-57	2 305	19,065	3.87	738	20 14,400	3.62	521	10-68	38	652	.04	29	41
35-22-0309	5634925	1234073	5-62	3 290	17,853	3.37	601	9 12,190	3.45	420	2-69	36	819	-.02	26	43
35-23-0008	6200008	1428104	9-64	2 305	16,125	3.58	578	11 14,115	3.43	484	8-69	38	769	-.05	21	37
35-23-0010	6671207	1268294	10-66	2 305	18,455	3.75	692	15 12,115	3.85	467	3-70	40	880	-.03	28	46
35-23-0010	6840168	1458744	5-67	1 305	15,820	3.96	626	24 14,180	3.76	533	7-69	36	682	.01	26	39
35-23-0012	5883309	1408166	7-63	4 305	19,238	4.12	792	27 16,715	3.58	599	2-70	34	494	.13	36	43
35-23-0012	6057600	1199324	1-64	4 305	20,432	3.48	712	33 16,115	3.68	593	9-69	44	1,013	-.04	31	52
35-23-0012	6069944	1408166	12-63	4 304	19,268	3.87	746	20 16,440	3.60	592	5-69	34	535	.07	30	39
35-23-0012	6259023	1314767	11-64	4 302	23,195	3.54	821	28 17,667	3.55	627	1-70	44	911	.01	35	53
35-23-0022	6222013	1428104	11-64	2 305	17,670	3.41	603	31 14,250	3.71	529	11-68	38	919	-.10	19	40
35-23-0032	6534170	1428104	10-64	3 305	23,690	3.64	863	18 17,030	3.57	608	8-69	40	1,367	-.04	43	71
35-23-0032	7116812	1428104	11-67	1 305	18,690	4.00	748	18 16,660	3.90	650	2-70	33	772	-.05	21	37
35-23-0034	6381921	1314767	4-65	3 305	19,950	3.69	737	13 14,920	3.81	569	2-70	42	776	.01	30	45
35-23-0039	6169111	1386406	7-64	3 300	15,630	4.01	627	9 12,556	3.43	431	6-69	42	636	.08	34	45
35-23-0040	6037787	1409413	2-64	4 305	20,482	3.52	721	9 15,665	3.64	570	3-70	34	845	-.02	28	45
35-23-0040	6619642	1242221	7-66	2 305	18,745	3.71	696	12 16,875	3.67	620	1-70	38	901	.00	33	51
35-23-0041	6434961	1377052	12-65	2 305	21,190	3.75	794	21 16,715	3.73	623	3-69	40	673	.02	27	40
35-23-0042	6367354	1428104	11-64	3 305	15,483	3.88	601	17 13,023	3.42	446	6-69	40	817	.00	29	45
35-23-0046	6408816	1242221	9-65	2 305	19,065	3.08	587	18 13,900	3.54	492	2-69	38	1,215	-.06	34	60
35-23-0048	6432862	1242221	7-65	3 305	18,587	4.02	747	23 14,120	3.82	540	12-69	41	1,182	.04	48	71
35-23-0048	7200062	1242221	8-66	2 305	17,760	3.92	697	17 15,185	3.80	577	3-70	38	957	.02	37	56
35-23-0053	5435857	1182696	6-61	3 305	17,753	3.66	650	12 12,803	3.57	457	3-70	42	828	.03	34	50
35-23-0057	6904866	1261857	5-67	1 305	19,900	3.59	715	24 15,630	3.64	569	1-70	36	801	.06	38	52
35-23-0075	6350426	1286632	4-65	3 297	16,626	4.34	721	25 14,796	3.64	539	6-69	38	469	.13	35	41
35-23-0075	6357045	1444698	5-65	2 305	21,805	3.66	797	9 15,3								

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS		
35-23-0109	5864696	1386406	10-62	4 305	17,945	3.39	608	14	13,797	3.70	510	4-69	44	802	-.03	24	\$ 41
35-23-0109	6040903	1386406	3-64	4 305	17,327	3.83	663	22	14,460	3.69	534	10-69	44	652	.03	28	40
35-23-0109	6591679	1386406	2-65	2 305	18,950	3.66	694	25	14,455	3.71	536	12-69	40	771	.01	29	44
35-23-0109	6598491	1386406	4-65	3 305	16,380	4.01	657	24	14,160	3.71	526	10-69	42	557	.05	28	38
35-23-0109	6598492	1386406	4-65	2 305	18,025	3.99	720	19	14,140	3.73	528	1-69	40	706	.05	33	46
35-23-0109	6856030	1386406	9-65	2 296	17,935	3.51	629	20	14,395	3.72	535	1-70	40	673	-.01	23	37
35-23-0112	5633225	1286632	10-61	6 305	20,495	3.59	736	10	15,295	3.60	550	11-69	40	961	.02	38	56
35-23-0112	6590676	1357743	4-66	2 305	20,555	3.48	715	5	14,035	3.76	528	6-69	40	783	-.06	20	37
35-23-0169	6506182	1428104	1-66	3 301	19,563	3.39	664	9	15,160	3.65	554	1-70	40	1,074	-.10	24	48
35-23-0189	6664181	1314767	12-66	2 300	17,060	3.78	645	20	13,030	3.59	468	1-70	40	593	.05	28	39
35-23-0241	6609398	1377052	3-66	2 305	19,825	3.53	700	12	13,470	3.67	494	2-70	40	832	-.01	29	46
35-24-0016	6600768	1236789	8-66	2 303	18,275	3.32	606	19	14,715	3.49	514	10-69	40	747	-.03	23	38
35-24-0022	5251375	1070036	11-60	3 298	15,420	4.43	683	26	13,693	3.80	521	9-68	42	476	.13	36	42
35-24-0022	6678860	1417208	12-66	1 305	17,050	3.48	594	21	13,310	3.63	483	9-69	36	709	.00	25	39
35-24-0024	5391604	1070036	1-61	3 305	23,803	3.66	872	21	16,410	3.80	623	11-68	42	1,159	.03	47	69
35-24-0024	6614550	1458744	4-66	2 305	19,305	3.81	736	14	16,765	3.79	636	8-69	40	811	.00	29	45
35-24-0024	6614551	1458744	4-66	2 305	21,470	3.87	831	14	16,765	3.79	636	8-69	40	1,031	.01	39	59
35-24-0024	6950161	1236789	6-67	1 305	23,000	4.11	946	20	17,660	3.81	673	2-70	35	833	.04	36	51
35-24-0027	5234365	1070036	7-60	3 305	20,023	3.82	765	8	15,330	3.99	611	8-69	42	836	.04	36	52
35-24-0038	6870390	1237057	6-67	1 305	22,990	3.51	808	21	16,510	3.53	583	1-70	36	818	-.04	23	40
35-24-0039	6777268	1236789	4-67	1 305	19,580	3.43	671	18	14,290	3.64	519	11-69	35	806	-.02	26	42
35-24-0058	6705851	1236789	1-67	1 305	18,960	3.79	719	9	14,750	3.63	541	6-69	35	715	.02	28	42
35-24-0058	6858974	1236789	11-66	2 295	21,935	3.31	725	12	17,510	3.63	635	11-69	40	864	-.05	24	42
35-24-0064	5724220	1383551	11-62	3 305	19,420	3.96	769	25	13,150	3.73	491	12-68	42	819	.03	34	49
35-24-0064	6768367	1236789	11-66	2 305	19,730	3.62	714	23	14,100	3.72	525	11-69	40	952	-.01	33	52
35-24-0064	7007964	1070036	9-67	1 305	17,670	3.45	610	28	14,010	3.64	510	10-69	36	582	.03	26	37
35-24-0064	7007965	1070036	9-67	1 305	18,290	3.56	651	28	14,010	3.64	510	10-69	36	628	.04	29	40
35-25-0022	6526770	1447141	12-65	3 295	19,943	3.37	672	25	15,986	3.58	572	1-70	38	1,040	-.01	36	57
35-25-0022	6526771	1447141	12-65	2 300	17,890	3.37	603	21	15,400	3.66	563	10-69	35	829	-.01	28	45
35-25-0025	6618873	1373055	9-66	2 299	22,120	3.56	788	8	16,450	3.97	653	8-69	40	842	-.08	18	37
35-25-0026	5662756	1386842	10-62	5 304	17,556	3.59	631	15	14,096	3.65	515	9-69	36	719	-.02	23	38
35-25-0026	5729961	1386842	12-62	5 305	17,446	3.38	589	14	13,442	3.63	488	7-69	36	790	-.06	20	37
35-25-0026	6135222	1386842	8-64	3 304	18,300	3.54	647	14	14,313	3.61	517	3-69	33	747	-.03	23	38
35-25-0026	6504492	1447141	1-66	2 305	17,965	3.63	653	22	14,200	3.66	520	7-69	35	956	.02	38	56
35-25-0026	6647247	1447141	9-66	1 305	20,090	3.33	670	15	14,790	3.55	525	4-69	31	1,020	.00	37	57
35-25-0044	5708684	1400575	12-62	5 305	23,124	3.44	795	26	16,254	3.69	600	8-69	43	1,275	-.11	30	58
35-25-0049	6394435	1373055	2-65	3 305	19,653	3.82	751	12	15,603	3.58	559	4-70	42	718	.00	26	40
35-25-0049	6514530	1239242	11-65	2 305	19,625	3.46	679	24	14,800	3.62	536	11-69	40	766	-.02	24	40
35-25-0056	5084082	1179372	3-60	4 305	18,550	3.94	731	18	15,080	3.67	554	1-70	44	651	.05	31	43
35-25-0056	6027897	1373055	1-64	4 305	21,342	3.65	778	13	15,097	3.68	556	3-70	44	1,013	-.04	31	52
35-25-0073	6271766	1424849	10-64	4 305	18,627	3.80	707	17	15,027	3.91	588	12-69	34	689	-.01	24	38
35-25-0084	6446100	1314767	10-65	2 305	18,535	3.97	736	13	15,120	3.64	551	9-69	40	552	.07	30	39
35-25-0114	6864964	1261857	7-67	1 305	17,070	3.38	577	12	13,370	3.61	483	8-69	36	742	.04	33	47
35-25-0230	5805755	1386842	3-63	2 305	19,040	4.05	771	9	12,930	3.67	474	11-69	30	927	.04	40	57
35-25-0267	6405752	1295307	11-65	3 300	19,827	3.56	705	26	14,237	3.67	522	3-70	41	808	-.01	27	43
35-27-0003	6774614	1237057	10-66	2 305	21,970	3.55	780	14	16,975	3.76	638	3-70	40	834	-.06	21	39
35-27-0004	6077101	1199324	1-64	2 305	18,845	3.86	727	16	16,260	4.02	654	8-69	40	766	-.02	24	40
35-27-0017	6372358	1314767	11-63	3 301	16,553	3.64	602	7	12,033	3.64	438	5-69	42	685	.02	28	41
35-27-0029	6322711	1237057	3-65	2 305	19,810	3.45	683	10	12,825	3.77	483	6-69	40	994	-.07	25	47
35-27-0050	6414136	1314767	12-65	2 305	18,120	3.33	603	10	12,725	3.59	457	2-70	40	728	-.01	25	40
35-27-0052	6545623	1330987	1-66	2 305	20,155	3.90	786	10	15,495	3.61	560	7-69	40	812	.08	41	55
35-27-0078	6846738	1415706	11-65	1 305	21,800	3.97	866	8	15,150	3.83	580	1-70	23	722	.05	34	47
35-28-0002	6843903	1222994	4-66	2 305	18,265	3.07	560	29	12,100	3.79	459	8-69	40	908	-.08	21	41
35-28-0004	6527794	1441026	8-65	2 305	16,970	3.88	659	38	13,980	3.65	510	1-69	36	847	-.02	28	45
35-28-0013	6323343	1429512	1-65	3 301	16,783	3.70	621	16	11,870	3.79	450	9-69	33	724	.00	26	40
35-28-0013	6924003	1452519	8-67	1 305	19,120	3.92	749	14	12,360	3.80	470	2-70	23	646	.03	27	39
35-28-0015	6282331	1386406	11-64	3 297	16,906	3.70	626	46	13,453	3.74	503	12-68	42	690	.01	26	39
35-28-0018	5256049	1189870	10-60	4 305	20,775	3.75	779	10	15,313	3.59	550	2-70	44	908	.04	38	55
35-28-0018	6160059	1237057	10-64	4 207	21,955	3.69	810	37	16,303	3.53	575	3-70	8 44	1,007	-.01	35	55
35-28-0024	5911216	1222994	9-63	2 305	18,605	3.66	681	17	14,605	3.70	540	11-69	40	714	-.01	25	39
35-28-0037	6656002	1236789	12-64	3 305	18,866	3.56	672	23	15,906	3.82	607	3-70	42	732	-.03	22	37
35-28-0037	7184049	1480864	1-67	2 305	20,705	4.25	879	22	16,455	3.69	608	2-70	29	659	.12	41	51
35-28-0038	6062773	1314767	1-64	4 304	17,537	4.05	710	9	13,895	3.67	510	12-69	44	631	.08	35	45
35-28-0038	6062774	1314767	2-64	4 304	17,430	3.59	625	7	13,695	3.67	503	11-69	44	640	.01	25	37
35-28-0039	4487281	1198591	12-57	8 299	16,752	3.84	644	15	12,801	3.66	468	12-68	36	518	.07	29	38
35-28-0039	5853482	1386406	5-63	5 305	16,062	4.32	694	22	13,222	3.81	504	11-69	44	645	.09	36	47
35-28-0039	6387353	1386406	9-65	3 304	16,483	3.88	640	26	13,756	3.82	526	10-69	42	610	.03	26	37
35-28-0039	6770618	1462355	12-66	2 305	20,515	3.62	743	16	14,100	3.93	554	3-70	30	858	-.03	26	44
35-28-0040	5568079	1357797	4-62	5 297	18,574	4.16	773	39	14,544	3.79	551	9-69	44	744	.16	50	61
35-28-0040	6768873	1377954	1-67	1 292	18,100	4.25	769	39	15,850	3.81	604	10-69	3				

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HEROMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST CALVO MO-YR	T C REPT (%)	.....C O W MILK (LBS)	I N O E X..... FAT (%)	FAT (LBS)	..OOL- LARS		
35-28-0080	6530450	1377954	12-65	2 304	15,485	4.06	629	19	13,190	3.70	488	9-69	40	574	.06	29	\$ 39
35-28-0084	6300413	1386406	11-64	3 300	19,036	3.84	731	12	14,570	3.60	524	6-69	42	820	.04	36	51
35-28-0091	6846070	1458744	1-67	1 305	16,980	3.27	556	20	13,520	3.84	519	4-69	36	813	-.05	22	39
35-28-0091	6846071	1458744	5-67	1 305	15,950	4.09	653	20	13,090	4.01	525	10-69	36	765	.00	28	43
35-28-0092	6370975	1432139	9-65	3 305	23,890	3.60	860	26	18,356	3.68	675	1-70	32	1,002	-.02	33	53
35-28-0092	6718962	1261857	11-66	1 305	20,770	3.58	744	36	17,790	3.63	646	9-69	36	721	.06	35	48
35-28-0092	6884148	1261857	7-67	1 305	27,480	3.53	970	31	17,780	3.58	637	10-69	36	1,222	.05	52	75
35-28-0093	7414540	1377954	10-67	1 305	19,260	3.32	640	19	14,860	3.83	569	12-69	36	706	-.02	22	37
35-28-0099	5977919	1386406	8-62	4 305	20,882	3.59	749	30	13,467	3.62	488	7-69	44	1,202	.00	44	68
35-28-0099	5977953	1282127	9-63	3 305	19,303	3.97	767	30	13,763	3.65	502	9-69	41	543	.06	28	37
35-28-0099	6462109	1386406	6-64	3 305	18,390	3.62	665	23	14,746	3.59	529	4-69	42	727	.01	28	42
35-28-0099	6738602	1386406	4-65	3 291	16,353	3.94	645	31	13,043	3.73	487	10-69	42	669	.04	30	42
35-28-0111	6800245	1458744	8-66	2 305	18,475	3.39	626	24	13,125	3.89	511	10-69	40	1,059	-.05	30	52
35-28-0111	6994560	1458744	11-66	1 305	16,580	4.06	673	17	13,430	3.94	529	9-69	36	789	.01	30	45
35-28-0111	6994562	1458744	1-67	1 305	20,430	4.18	853	23	13,940	4.01	559	11-69	36	1,042	.02	41	61
35-28-0111	7140297	1458744	4-67	1 305	17,170	4.23	726	16	12,610	3.93	496	8-69	36	888	.03	36	53
35-28-0112	6079009	1199324	4-64	3 305	15,200	3.74	569	16	11,840	3.51	415	4-69	42	827	.01	31	47
35-28-0117	5677157	1228022	4-62	3 305	23,293	3.02	704	14	15,967	3.73	595	3-69	42	1,446	-.17	26	59
35-28-0200	7019033	1387978	2-68	1 305	20,230	3.65	739	19	16,050	3.71	595	2-70	35	751	-.01	26	41
35-28-0240	6594696	1386406	7-64	3 305	16,816	4.33	728	6	13,770	3.97	546	3-70	42	647	.07	34	45
35-28-0249	6564489	1261857	4-66	2 305	16,385	3.64	596	22	12,880	3.85	496	8-69	40	787	.04	35	49
35-28-0249	6856538	1222994	1-67	2 305	17,575	3.58	630	25	13,775	3.71	511	2-70	40	685	-.01	23	37
35-28-0308	6531820	1303502	11-65	2 302	21,315	3.48	741	15	15,940	3.38	538	1-70	40	679	.00	25	38
35-28-0372	6549097	1458744	4-66	2 305	19,400	3.58	695	14	15,450	3.77	583	7-69	40	941	-.03	30	49
35-29-0018	6165770	1444847	10-64	3 303	23,673	3.38	800	18	16,750	3.62	607	1-70	33	1,080	-.05	31	54
35-29-0018	6280845	1386406	1-65	3 305	19,600	3.69	723	14	16,343	3.56	581	8-69	42	701	.03	30	43
35-29-0018	6672838	1458744	10-66	1 305	19,760	3.60	712	16	16,590	3.60	598	1-69	36	814	-.01	28	44
35-29-0018	6672839	1458744	11-66	2 300	21,795	3.70	806	18	17,040	3.58	610	11-69	40	1,039	.01	39	59
35-29-0018	6672841	1458744	12-66	1 305	20,650	3.77	779	26	17,720	3.71	658	12-69	36	805	.00	29	45
35-29-0018	6854015	1458744	1-67	2 305	19,840	3.38	671	22	16,965	3.65	619	1-70	40	847	-.04	24	42
35-29-0024	5313101	1314767	3-60	7 305	15,394	3.98	612	21	10,941	3.71	406	3-70	44	716	.06	35	48
35-29-0036	6697476	1447141	11-66	1 305	20,380	3.45	704	9	12,510	3.48	435	12-69	31	1,211	.02	46	70
35-29-0036	7098972	1447141	9-66	1 305	17,840	3.98	710	9	12,500	3.41	426	3-70	31	1,004	.07	47	65
35-29-0044	6497271	1397209	10-65	1 250	22,260	3.44	765	15	17,500	3.58	627	1-70	35	774	-.03	23	39
35-29-0089	6552619	1192713	1-66	2 305	18,775	3.54	664	19	14,620	3.79	554	6-69	40	793	-.03	24	40
35-30-0020	4962043	1060259	12-59	5 305	18,370	3.88	712	23	15,148	3.66	555	6-69	44	759	.01	29	44
35-30-0028	5497678	1199324	11-61	5 305	18,776	3.67	689	20	15,980	3.67	587	2-69	44	834	-.01	29	46
35-30-0028	6805651	1331709	10-66	2 298	20,600	3.67	756	21	15,730	3.64	572	10-69	40	783	-.02	25	41
35-30-0030	6641330	1386406	12-65	2 305	17,985	3.70	666	15	13,695	3.58	490	6-69	40	742	.03	31	45
35-30-0048	5764928	1364695	5-62	4 305	19,080	3.50	667	25	13,298	3.62	481	1-69	36	840	-.01	29	46
35-30-0048	7065875	1308101	10-66	1 305	20,660	3.27	676	24	14,510	3.54	513	1-69	36	1,054	-.05	30	52
35-30-0058	6237102	1330987	9-64	3 305	17,877	3.50	626	30	13,390	3.67	492	11-69	42	822	.02	32	48
35-30-0059	6736906	1462168	4-66	1 305	21,220	4.08	865	20	14,440	3.63	524	11-68	35	510	.09	32	40
35-30-0059	6777010	1386406	2-67	1 235	23,510	3.59	845	10	17,250	3.73	644	9-69	36	820	.00	29	45
35-30-0065	6639279	1417208	9-65	2 305	20,295	3.22	654	10	15,480	3.73	577	1-70	40	913	-.06	24	44
35-30-0065	7362021	1330987	8-67	1 305	17,920	3.84	688	9	14,600	3.55	519	11-69	36	597	.07	31	41
35-30-0068	6454189	1330987	10-65	2 302	16,835	3.97	668	16	14,975	3.80	569	11-69	40	523	.06	28	37
35-30-0071	6900311	1377954	6-67	1 305	17,830	3.85	686	22	14,340	3.70	530	1-70	36	634	.04	28	40
35-30-0081	6985183	1308101	11-66	1 305	17,510	3.60	631	15	14,160	3.64	515	2-69	36	843	-.02	27	44
35-30-0084	6604786	1261857	9-66	2 300	17,335	4.01	695	21	14,955	3.83	573	10-69	40	694	.09	38	50
35-30-0087	6405137	1417208	10-65	3 305	18,183	3.85	700	7	15,433	3.64	561	4-70	42	728	.04	32	45
35-30-0141	5808085	1301308	12-62	3 299	20,900	3.63	759	10	16,437	3.61	593	4-69	32	837	-.01	28	45
35-31-0010	6691701	1383926	12-66	1 305	17,660	4.25	750	23	15,350	3.66	562	2-70	35	496	.08	30	38
35-31-0024	6506787	1306247	10-65	2 305	17,600	3.60	634	10	14,475	3.53	511	3-69	40	758	-.02	25	40
35-31-0030	5353585	1333496	12-60	4 305	19,795	4.07	805	17	14,915	3.71	554	6-69	36	846	.13	50	63
35-31-0030	6210784	1397209	10-64	4 305	18,665	3.74	698	28	15,172	3.76	571	3-70	43	793	-.01	27	43
35-31-0031	5353587	1333496	3-61	3 305	16,367	4.57	748	7	13,950	3.71	517	10-68	34	469	.19	45	50
35-31-0032	6687266	1458744	3-66	2 305	21,990	4.04	889	6	15,555	3.67	571	2-70	40	1,194	.05	51	73
35-31-0036	6777259	1357797	2-67	1 305	20,700	4.21	871	12	16,020	3.87	620	3-69	35	610	.14	43	52
35-32-0012	5289193	1298815	9-60	7 305	20,186	3.59	725	29	14,443	3.57	516	1-70	43	823	-.01	28	45
35-32-0012	6495438	1462168	12-65	3 305	20,243	3.80	770	27	15,860	3.71	589	4-70	41	524	.06	28	37
35-32-0017	6548096	1314767	2-66	1 305	20,990	3.76	789	10	14,010	3.94	552	11-69	36	726	.02	29	43
35-32-0031	5730781	1286840	1-62	5 305	19,656	3.28	644	16	13,298	3.56	474	7-69	36	1,115	-.08	28	52
35-32-0032	6687949	1383926	1-67	1 286	17,260	3.92	676	22	12,950	3.52	456	6-69	35	629	.06	32	43
35-32-0032	6770865	1469311	2-66	2 305	16,950	3.96	672	24	13,835	3.59	497	10-69	40	525	.08	31	39
35-32-0035	5576314	1368237	11-61	5 305	18,928	3.56	674	19	14,834	3.62	537	2-69	36	672	.00	24	37
35-32-0035	5581241	1389317	2-62	4 305	20,072	3.33	669	25	14,307	3.70	529	10-69	35	801	-.07	19	37
35-32-0038	6147661	1442176	7-64	4 305	20,832	4.05	844	28	16,395	3.76	617	1-70	33	748	.07	37	50
35-32-0040	6830728	1261857	8-66	2 305	17,455	3.59	627	29	15,215	3.69	562	1-70	40	682	.05	32	44
35-32-0040	6830729	1261857	10-66	1 305	17,690	3.74	661	15	14,320	3.64	521	5-69					

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT (L8) (%) (L8)	LAST T CALVO C MO-YR O	.....C O W MILK (L8)	I N O E X..... FAT (%) (L8) FAT (%) (L8)	..... OOL- LARS		
35-33-0032	6967908	1462361	1-68	1 305 22,770 3.53 804	27 16,630 3.82 635	2-70	23	786	-.05	21	\$ 38
35-33-0032	7001994	1360676	1-67	1 305 19,660 3.52 693	37 14,880 3.66 545	8-69	34	846	.00	30	47
35-33-0060	5031880	1254599	9-59	3 305 18,983 4.04 767	11 15,317 3.56 545	1-69	32	640	.09	36	46
35-33-0064	6780511	1438758	3-66	2 305 18,470 3.88 716	37 14,050 3.68 517	8-69	40	849	-.04	25	43
35-33-0082	6694276	1314767	3-65	3 277 20,320 3.41 692	11 14,350 3.44 493	1-70	8 42	878	.01	33	50
35-34-0007	6454921	1306247	10-65	3 305 19,863 3.57 710	37 15,230 3.52 536	2-70	42	975	-.01	33	53
35-34-0007	6790988	1397209	2-67	1 305 20,000 4.10 820	48 16,140 3.53 570	11-69	35	695	.04	31	44
35-35-0018	6577744	1306247	2-66	2 305 20,535 3.17 650	7 16,695 3.64 608	7-69	40	854	-.09	18	37
35-35-0018	6767948	1397209	10-66	1 305 24,580 3.42 841	19 18,920 3.39 642	3-70	35	852	-.02	28	45
35-35-0026	6457477	1306247	8-65	1 305 20,770 3.70 768	7 16,220 3.61 586	12-69	35	823	-.01	28	45
35-35-0026	6723328	1306247	9-66	2 305 20,960 3.53 740	8 15,505 3.70 573	11-69	40	1,007	-.04	30	51
35-36-0011	6636755	1441298	6-66	2 305 18,700 3.50 654	12 16,045 3.78 606	10-69	37	893	-.09	19	39
35-36-0014	6811506	1383926	12-66	2 305 20,405 3.32 678	22 16,180 3.48 563	3-70	40	746	.00	27	42
35-36-0018	6887324	1366229	7-67	1 305 20,960 3.83 803	7 15,020 3.80 571	4-70	35	527	.07	29	38
35-36-0026	4956525	1236789	9-59	4 305 16,202 3.86 625	15 14,510 3.56 516	11-69	43	574	.04	27	37
35-36-0049	6229069	1306247	9-64	4 304 20,600 3.50 720	17 15,862 3.66 580	12-69	43	1,024	-.04	31	52
35-36-0062	6146605	1383926	9-64	3 305 16,916 4.35 736	8 14,603 3.63 530	3-69	42	559	.12	38	46
35-36-0062	6393060	1366229	11-65	3 246 19,403 4.06 788	10 16,416 3.73 612	3-70	8 42	441	.11	32	38
35-36-0067	6185344	1383926	12-64	3 305 15,436 4.13 638	17 13,760 3.63 500	8-69	42	475	.09	30	37
35-36-0070	5601877	1199324	2-62	6 304 18,853 3.24 611	8 15,130 3.77 570	3-70	44	943	-.09	20	41
35-36-0070	5891604	1199324	3-63	4 302 18,807 3.75 706	6 14,752 3.72 549	10-68	44	964	.00	35	54
35-36-0070	5941214	1199324	9-63	5 300 18,484 3.82 707	8 14,274 3.76 537	8-69	44	995	.01	37	57
35-36-0070	6687700	1458744	8-66	1 305 17,660 4.21 744	9 14,660 3.75 550	2-69	36	787	.04	34	49
35-36-0070	6687701	1458744	9-66	1 305 17,510 3.95 691	15 14,800 3.72 550	6-69	36	767	.02	30	45
35-36-0070	6759824	1458744	1-67	1 305 19,290 3.71 715	15 14,800 3.72 550	6-69	36	899	-.01	31	49
35-36-0070	6915022	1458744	9-67	1 305 18,500 3.79 702	8 16,110 3.66 590	1-70	36	752	.01	28	43
35-36-0075	6211024	1383926	8-64	3 305 18,076 3.88 702	16 15,213 3.48 530	12-68	42	631	.08	34	45
35-36-0075	6340838	1383926	9-64	4 302 21,072 3.54 745	17 15,725 3.49 549	1-70	43	964	.03	39	57
35-36-0075	6495992	1306247	10-65	2 305 20,050 3.26 653	9 16,015 3.39 543	3-69	40	867	-.05	24	42
35-36-0078	6119752	1397209	6-64	4 301 20,117 3.55 714	19 16,145 3.64 587	10-69	43	865	-.03	27	45
35-36-0078	6305625	1399092	1-65	3 305 17,816 4.29 765	23 15,683 3.54 555	6-69	34	449	.14	37	42
35-36-0078	6336690	1397209	2-65	3 302 20,766 3.43 712	27 15,973 3.52 562	6-69	42	934	-.03	29	48
35-36-0078	6359795	1397209	3-65	3 303 21,063 3.50 737	20 16,520 3.60 594	12-69	42	911	-.03	28	47
35-36-0078	6398485	1397209	3-65	3 304 19,923 3.32 661	21 16,506 3.59 592	3-70	42	780	-.06	20	37
35-36-0078	6535685	1472619	3-66	3 305 21,363 3.82 815	24 16,203 3.60 583	3-70	29	768	.04	34	48
35-36-0078	6687649	1458744	10-66	1 305 22,890 3.39 776	25 15,930 3.51 559	10-68	36	1,092	-.03	35	57
35-36-0078	6718572	1458744	10-66	2 305 19,455 3.98 775	19 16,510 3.65 602	11-69	40	850	.04	36	52
35-36-0078	7050946	1458744	2-68	1 305 20,570 3.48 716	26 17,140 3.68 630	2-70	36	838	-.03	26	43
35-36-0080	5814437	1370151	7-62	4 305 20,295 4.20 853	16 16,943 3.49 592	12-69	30	555	.14	41	48
35-36-0081	6552441	1306247	12-65	2 305 19,415 3.30 640	19 15,605 3.77 589	3-69	40	840	-.08	19	38
35-36-0085	6217724	1386406	9-64	4 298 17,292 3.78 653	11 13,800 3.52 486	1-70	44	721	.04	32	45
35-36-0095	6775874	1441298	1-67	2 305 22,770 3.10 706	20 17,490 3.56 623	2-70	37	1,188	-.13	23	50
35-36-0096	6273058	1222994	2-65	3 299 18,390 3.75 690	36 14,887 3.78 562	9-69	42	705	.00	26	40
35-36-0096	6708234	1473935	12-66	2 297 18,775 3.96 743	44 16,495 3.78 624	1-70	34	672	.01	26	39
35-36-0096	6775877	1261857	3-67	2 291 18,105 3.86 699	35 16,270 3.77 613	2-70	40	652	.08	35	46
35-36-0096	6987612	1261857	11-67	1 303 19,450 3.46 672	48 16,420 3.78 621	11-69	36	714	.04	31	44
35-36-0099	5916474	1399092	10-63	5 299 19,610 3.70 726	17 16,656 3.61 602	3-70	37	611	.04	28	39
35-36-0099	6303960	1399092	3-65	3 304 18,530 4.27 791	16 16,596 3.68 610	2-70	34	435	.13	34	40
35-36-0099	6903488	1458744	10-67	1 305 23,910 3.53 845	25 17,650 3.84 677	10-69	36	1,052	-.03	33	55
35-36-0104	5937836	1199324	10-63	5 299 16,630 3.59 597	15 14,974 3.52 527	1-70	44	674	.00	24	37
35-36-0106	6494680	1303900	10-65	2 305 19,455 3.50 680	26 14,565 3.96 577	4-69	38	888	-.10	17	37
35-36-0114	6669479	1306247	10-66	2 305 16,255 3.76 612	7 13,200 3.70 489	4-70	40	738	-.01	25	40
35-36-0114	6669480	1397209	12-66	2 305 17,285 3.52 608	7 12,790 3.74 478	4-70	40	810	-.04	24	41
35-36-0118	6318050	1322559	5-65	2 305 19,880 3.72 739	18 15,655 3.74 585	3-69	30	767	.00	27	42
35-36-0118	6474120	1392559	1-66	2 305 19,985 3.49 698	27 14,810 3.68 545	9-69	30	869	-.03	27	45
35-36-0118	6512023	1428104	1-66	2 305 20,050 3.13 628	26 14,915 3.68 549	10-69	38	1,107	-.13	20	45
35-36-0118	6512024	1428104	2-66	2 202 19,270 3.28 633	23 15,180 3.68 559	1-70	8 38	999	-.11	20	43
35-36-0118	6672684	1428104	8-66	2 305 22,560 3.05 689	26 14,980 3.70 555	12-69	38	1,365	-.15	26	57
35-36-0118	6672687	1428104	10-66	1 305 20,360 3.57 726	16 14,980 3.79 568	3-69	33	1,020	-.08	25	47
35-36-0118	6672688	1428104	10-66	2 305 19,230 3.62 696	18 15,105 3.79 573	3-70	38	1,002	-.07	25	47
35-36-0118	6672698	1392559	10-66	1 305 20,730 3.25 673	37 15,210 3.65 555	11-69	25	768	-.05	20	37
35-36-0118	6809093	1392559	4-67	1 305 21,380 3.33 712	28 16,020 3.61 578	12-69	25	761	-.04	21	37
35-36-0120	5470233	1165012	11-61	3 304 22,947 3.63 832	16 17,077 3.71 633	4-69	41	781	.03	32	47
35-36-0120	6358343	1397209	3-65	2 305 21,155 3.70 783	22 16,680 3.58 597	11-68	40	848	.00	31	48
35-36-0123	5910951	1351934	8-63	5 303 17,914 3.36 602	12 13,632 3.44 469	1-70	36	746	-.01	26	41
35-36-0124	6389112	1397209	2-65	2 305 16,450 4.02 662	23 13,545 3.79 513	8-69	40	655	.02	26	39
35-36-0124	6623948	1441298	7-66	1 305 18,200 3.13 569	22 14,620 3.68 538	4-69	33	919	-.11	17	38
35-36-0128	5700861	1284364	8-62	5 304 21,262 3.32 705	10 15,464 3.60 557	7-69	44	897	-.08	21	41
35-36-0135	6793744	1383926	11-66	1 305 17,060 3.91 667	15 13,290 3.90 518	7-69	35	590	.04	27	38
35-36-0143	6603185	1306247	12-65	2 305 20,090 4.08 819	18 15,390 3.97 611	4-70	40	928	.01	35	53
35-36-0238	6286368	1397209	3-65	3 305 16,483 3.82 629	16 13,056 3.81 498	6-69	42	741	.00	26	41
35-36-0316	6987124	1458744	10-67	1 305 17,110 4.00 685	28 13,640 3.75 512	10-69	36	815	.02	32	48
35-36-0354	5639003	1409007	8-62	3 305 20,917 3.53 738	30 16,053 3.63 583	11-68	32	745	-.01	25	40
35-36-0354	5639005	1409007	9-62	4 301 20,295 3.64 738	38 15,958 3.66 584	10-69	33	711	.00	26	40
35-36-0354	6203178	1386406	1-65	2 305 18,620 4.32 805	31 16,820 3.59 603	11-68	40	521	.11	34	42
35-36-0408	6972696	1259069	8-65	2 297 19,105 3.88 742	16 13,945 3.81 531	10-69	40	680	-.01	23	37
35-36-0408	7184850	1261857	12-66	1 305 16,650 3.56 592	14 12,380 3.80 470	6-69	36	777	.05	35	49
35-36-0414	6350044	1306247	7-65	3 305 17,620 3.24 571	7 13,503 3.64 491	11-69	42	894	-.08	21	41
35-36-0431	6256929	1383926	1-65	4 304 17,037 3.65 621	15 14,097 3.67 518	2-70	43	644	.03	27	39
35-37-0012	7014059	1306247	12-67	1 305 18,790 3.85 724	29 15,710 3.51 552	12-69	35	708	.01	27	41
35-37-0016	6642228	1306247	6-66	1 305 20,150 3.35 675	12 14,460 3.67 531	11-69	35	896			

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	FAT (%)	PRODUCTION FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES... FAT (%)	LAST CALVO MO-YR	T C O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	ODL- LARS
35-37-0055	6900679	1479350	5-67	1 305	22,060	3.77	831	12 15,810	3.52	556	2-70	19	612	.03	27 \$ 38
35-37-0056	6647176	1397209	9-66	1 305	19,990	3.37	673	26 15,040	3.60	541	1-69	35	769	-.04	22 38
35-37-0056	6885540	1397209	4-67	1 305	21,680	3.19	691	16 15,650	3.60	564	12-69	35	855	-.06	22 40
35-37-0060	6590687	1315423	5-66	2 305	21,780	3.24	706	22 15,320	3.58	549	10-69	40	934	-.11	17 38
35-37-0067	6014630	1268294	10-63	5 304	21,500	3.36	722	21 16,412	3.97	652	3-70	44	926	-.12	16 37
35-37-0067	6405916	1306247	7-65	3 305	19,166	3.99	765	10 16,433	3.82	628	10-69	42	767	.02	30 45
35-37-0068	6193408	1383926	10-64	2 305	23,095	3.35	773	14 15,525	3.74	580	4-69	40	1,080	-.03	35 57
35-37-0072	6126061	1386406	7-64	3 305	22,846	3.64	831	13 13,620	3.72	506	7-69	42	1,356	.01	50 77
35-37-0072	6591404	1383926	3-66	1 305	24,030	3.54	850	17 14,050	3.78	531	10-68	35	1,065	.01	40 61
35-37-0072	6710418	1360676	8-66	2 305	21,550	3.88	836	15 14,445	3.86	558	2-70	38	1,187	.02	46 69
35-37-0072	6876284	1261857	3-67	1 305	19,100	3.77	720	13 14,980	4.00	599	12-69	36	785	.05	36 50
35-37-0083	6123561	1383926	8-64	3 304	20,123	3.87	779	8 15,356	3.85	591	9-69	42	854	.04	37 53
35-37-0090	5948379	1407925	9-63	4 305	19,893	4.15	825	16 15,328	3.64	558	2-70	33	820	.11	46 59
35-37-0090	6327824	1383926	6-65	3 305	17,850	4.03	719	20 15,193	3.63	552	8-69	42	606	.08	34 44
35-37-0115	5882492	1214317	9-63	3 269	19,817	3.58	710	18 15,323	3.70	567	1-69	42	766	-.02	25 41
35-37-0115	6380588	1237057	4-65	2 305	22,300	3.60	803	28 16,590	3.88	643	11-69	40	903	-.06	23 43
35-37-0241	6261303	1397209	10-64	2 305	17,945	3.53	634	18 14,215	3.78	538	11-68	40	746	-.04	21 37
35-37-0400	6681196	1458744	12-66	1 305	22,510	3.02	679	8 16,380	3.68	603	12-69	36	1,033	-.08	25 48
35-37-0432	6266505	1314767	12-64	3 305	19,466	3.83	745	16 15,066	3.62	545	11-69	42	706	.05	33 46
35-39-0022	6137446	1383926	9-64	3 298	18,253	3.62	660	7 13,383	3.62	484	8-69	42	843	.02	34 50
35-39-0055	4952724	1061172	4-59	4 246	16,113	3.85	621	11 13,200	3.57	471	12-69	43	634	.06	31 42
35-42-0123	6505863	1366229	3-66	2 305	18,460	4.05	747	14 14,290	3.82	546	5-69	40	495	.10	32 39
35-42-0244	5647494	1301436	11-61	2 305	20,790	3.34	694	17 13,915	3.68	512	8-69	30	852	-.05	24 42
35-42-0244	6781485	1261857	2-67	1 305	16,950	3.90	661	18 14,790	3.69	546	11-69	36	638	.08	35 46
35-42-0384	6343711	1330987	5-65	3 305	17,513	3.71	650	15 14,743	3.51	518	5-69	42	641	.06	32 43
35-42-0384	6343712	1330987	5-65	3 305	18,783	4.04	758	15 14,720	3.52	518	5-69	42	789	.11	44 57
35-42-0384	6441090	1330987	8-65	3 305	18,477	3.21	593	14 14,917	3.49	520	7-69	42	733	-.01	25 40
35-43-0013	5777664	1109640	11-62	4 305	24,433	3.00	733	9 15,218	3.45	525	1-70	42	1,478	-.13	33 66
35-43-0019	6198759	1408485	2-64	3 305	20,270	3.26	661	26 14,990	3.60	540	3-70	31	936	-.08	22 43
35-43-0019	6561407	1237057	3-66	2 305	18,815	3.48	655	24 14,215	3.52	501	12-69	40	766	-.05	21 37
35-43-0019	6628566	1330987	1-66	1 305	20,050	3.44	689	15 14,600	3.67	536	7-69	36	756	.02	30 45
35-43-0021	7089024	1406271	8-67	1 305	16,730	3.86	645	18 14,690	3.56	523	10-69	36	616	.05	30 41
35-43-0021	7100820	1406271	9-67	1 305	20,110	3.85	775	13 15,240	3.75	572	1-70	36	831	.05	37 52
35-43-0027	6943445	1397209	10-67	1 305	17,540	3.37	591	23 12,750	3.51	448	12-69	35	740	-.03	22 37
35-43-0028	5696608	1333641	8-62	3 283	19,217	3.91	751	10 15,273	3.44	526	2-69	42	504	.09	31 39
35-43-0033	5733150	1237057	12-62	4 302	20,475	3.26	668	10 15,485	3.53	547	10-68	44	915	-.09	20 40
35-43-0033	6584387	1243697	3-66	2 305	20,860	4.07	848	17 14,355	3.59	515	7-69	40	567	.09	34 43
35-43-0033	6918613	1458744	7-67	1 305	22,580	2.94	664	22 15,450	3.58	553	9-69	36	1,101	-.08	27 51
35-43-0038	6814882	1306247	12-66	1 305	18,540	3.64	674	9 14,850	3.62	537	3-70	35	748	-.02	24 39
35-45-0012	6445065	1397209	6-64	3 305	17,933	3.42	613	9 14,060	3.62	509	3-69	42	808	-.04	23 40
35-45-0030	6726890	1458744	10-66	1 305	19,150	2.86	548	13 13,570	3.59	487	7-69	36	971	-.08	23 44
35-45-0030	6789026	1261857	4-67	1 305	16,620	3.49	580	10 13,650	3.63	495	8-69	36	689	.06	33 45
35-45-0030	6931924	1261857	10-67	1 301	17,150	3.55	609	22 14,340	3.62	519	12-69	36	683	.06	33 45
35-45-0050	6495060	1308091	8-65	3 305	22,460	3.39	761	18 15,873	3.65	580	12-69	42	964	-.07	24 45
35-45-0077	5945148	1386406	10-63	3 305	18,906	3.87	731	9 13,463	4.17	562	1-69	42	919	-.01	32 50
35-45-0077	6731989	1466353	3-66	2 303	16,635	4.74	789	8 12,760	4.25	542	12-69	29	497	.13	37 44
35-45-0081	6744404	1423552	9-66	2 304	20,185	3.99	805	13 15,905	3.59	571	10-69	32	605	.08	34 44
35-45-0081	6784718	1423552	9-66	2 304	19,955	4.01	801	13 16,230	3.58	581	11-69	32	545	.09	32 41
35-45-0091	6691027	1397209	8-66	1 305	19,080	3.83	730	18 14,390	3.62	521	4-69	35	745	.01	28 43
35-45-0091	6720453	1448297	9-66	2 302	19,185	3.59	688	19 14,940	3.62	541	2-70	38	824	-.04	24 41
35-45-0091	6823680	1383926	2-67	1 304	20,820	3.84	800	18 15,310	3.65	559	12-69	35	737	.05	34 47
35-45-0147	5739901	1303184	1-63	3 300	20,426	3.76	767	23 16,296	3.49	568	1-70	37	874	.04	37 53
35-45-0147	6571720	1417208	2-66	2 305	18,345	3.12	572	13 14,530	3.57	519	8-69	40	801	-.05	21 38
35-45-0147	6571721	1199324	2-66	2 305	21,165	3.14	664	27 16,220	3.56	577	11-69	40	1,005	-.08	25 47
35-45-0150	5750951	1228022	11-62	4 294	19,518	3.53	689	19 15,245	3.92	597	2-70	43	1,104	-.10	25 49
35-45-0150	5922857	1417702	9-63	5 304	18,990	3.88	737	16 14,656	3.94	577	12-69	35	658	.02	26 39
35-45-0155	5727474	1237057	12-62	5 305	21,494	3.48	747	11 14,736	3.74	551	5-69	44	1,158	-.07	31 56
35-45-0157	6245702	1222994	11-64	3 305	17,667	3.60	636	17 14,330	3.65	523	1-69	42	679	-.01	23 37
35-45-0165	6640052	1458744	9-66	1 305	19,880	2.84	564	20 15,480	3.38	523	2-69	36	898	-.07	22 42
35-45-0165	6782522	1261857	3-67	2 305	18,335	3.54	649	13 15,245	3.42	521	4-70	40	769	.07	38 51
35-45-0165	6937271	1261857	11-67	1 305	22,230	3.53	785	13 15,630	3.56	556	3-70	36	975	.06	44 62
35-45-0170	6001122	1192713	2-63	4 302	16,418	3.36	551	8 12,965	3.62	469	11-69	44	758	-.04	22 38
35-45-0176	6502322	1386406	6-65	3 305	17,960	3.62	651	13 13,536	3.58	485	8-69	42	803	.01	31 47
35-45-0176	6502325	1237057	1-66	2 305	20,520	3.52	722	23 14,200	3.61	513	9-69	40	941	-.05	27 47
35-45-0176	6772680	1386406	11-65	2 305	18,380	3.56	654	18 14,060	3.67	516	11-69	40	749	.00	27 42
35-45-0176	6975422	1386406	10-66	1 305	21,800	3.11	678	16 13,560	3.66	496	5-69	36	940	-.05	27 47
35-45-0177	6460115	1199324	9-65	1 305	19,180	3.46	663	16 14,660	3.51	515	12-68	36	853	-.03	27 45
35-45-0180	6528271	1306247	2-66	2 305	20,940	3.37	706	15 13,695	3.67	502	11-69	40	1,171	-.05	34 59
35-45-0185	5451845	1357797	7-61	5 305	18,328	4.12	756	13 15,218	3.65	555	3-70	44	633	.17	47 55
35-45-0185	6172143	1329588	11-64	3 290	18,920	4.07	770	19 15,920	3.67	585	11-69	42	602	.04	28 39
35-45-0185	6305779	1386406	2-65	3 305	21,740	3.33	723	15 15,496	3.77	584	12-69	42	1,035	-.06	29 51
35-45-0191	6756294	1261857	2-67	1 305	17,460	3.49	610	10 13,350	3.54	472	6-69	36	772	.06	36 50
35-45-0191	6947879	1261857	9-67	1 303	16,580	3.35	556	21 14,190	3.50	496	12-69	36	650	.05	31 43
35-45-0192	6810125														

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS		
35-46-0057	6821786	1458744	1-67	1 305	18,270	3.46	632	27	14,430	3.58	516	7-69	36	848	-.02	28	\$ 45
35-46-0057	6821787	1458744	4-67	1 303	17,980	3.07	552	27	13,990	3.65	511	8-69	36	856	-.06	22	40
35-47-0018	6501667	1377052	11-65	2 305	24,510	3.73	913	27	15,555	3.52	548	2-70	40	1,118	-.04	46	67
35-48-0076	5621580	1335627	4-62	5 298	21,560	3.42	738	13	15,974	3.74	598	1-69	36	1,001	-.06	27	48
35-48-0076	6475395	1335627	9-65	2 290	23,075	3.52	813	16	16,820	3.68	619	10-68	30	926	-.02	30	49
35-48-0076	6504659	1335627	1-66	2 305	21,035	3.77	792	14	16,860	3.86	651	3-69	30	679	.00	24	38
35-48-0076	6698989	1261857	9-66	1 285	19,230	3.69	709	27	17,150	3.71	637	11-68	36	649	.07	33	44
35-48-0076	6698994	1261857	12-66	2 283	20,970	4.08	856	19	17,045	3.77	642	12-69	40	872	.11	48	62
35-48-0076	6908006	1261857	5-67	1 305	20,370	3.86	787	16	16,340	3.78	617	6-69	36	788	.08	40	54
35-48-0076	6909295	1261857	8-67	1 305	21,190	3.85	815	16	16,400	3.70	607	11-69	36	845	.08	43	58
35-48-0076	6909296	1261857	9-67	1 305	20,150	4.15	836	16	16,400	3.70	607	11-69	36	768	.11	44	56
35-48-0079	6254027	1199324	10-64	3 300	16,720	3.59	600	11	12,990	3.92	509	6-69	42	882	-.05	25	44
35-48-0083	4448737	1238650	3-57	3 305	19,510	4.11	801	16	14,653	3.96	580	1-69	33	734	.08	38	51
35-48-0083	6769114	1261857	2-67	1 305	21,040	3.93	827	16	14,920	4.06	606	10-69	36	933	.07	44	61
35-48-0085	6698991	1261857	9-66	1 305	16,980	3.54	601	32	11,580	3.91	453	3-69	36	855	.04	37	53
35-48-0124	6919737	1365341	11-67	1 305	17,560	3.24	569	9	11,960	3.56	426	12-69	35	918	-.05	26	45
35-49-0014	5594682	1335840	1-62	4 301	19,440	3.70	720	14	15,393	3.76	579	1-70	35	743	-.01	26	41
35-49-0014	5750259	1335840	9-62	4 305	19,480	3.86	752	13	15,093	3.76	568	12-69	35	787	.02	32	47
35-49-0014	5792535	1335840	11-62	4 305	19,323	3.65	705	12	15,000	3.75	562	2-70	35	777	-.01	26	42
35-49-0014	5977166	1335840	8-63	4 303	19,195	3.74	717	13	15,685	3.75	588	12-69	35	671	.00	24	37
35-49-0016	5123271	934577	1-60	7 305	19,057	3.60	686	15	13,277	3.86	513	4-69	44	787	.00	28	44
35-49-0022	6485639	1417208	4-65	3 305	18,503	3.24	599	19	14,806	3.65	540	10-69	42	830	-.05	22	40
35-49-0028	5070947	1326862	11-59	3 305	26,290	3.67	964	20	17,490	3.78	661	1-69	37	1,330	-.01	47	74
35-49-0028	6096640	1265694	5-64	4 305	22,605	3.57	806	18	16,670	3.83	638	11-69	43	1,085	-.10	24	48
35-49-0028	6456906	1445645	11-65	3 305	22,766	3.67	836	18	17,856	3.71	662	3-70	37	793	.00	29	45
35-49-0031	4818147	1228022	1-59	4 295	17,635	3.53	623	13	15,285	3.66	560	9-69	43	866	-.07	21	40
35-49-0033	7013949	1306247	1-68	1 305	16,730	3.89	651	6	13,960	3.85	538	3-70	35	672	-.01	23	37
35-49-0035	6783327	1422506	11-66	2 305	22,200	3.51	779	50	15,625	3.72	581	12-69	39	1,019	-.01	35	55
35-49-0035	6851932	1261857	7-67	1 305	21,100	3.81	804	51	15,060	3.87	583	12-69	36	929	.06	43	60
35-49-0035	6942612	1261857	11-67	1 305	18,890	3.79	716	42	15,080	3.82	576	1-70	36	763	.06	37	51
35-49-0040	5148924	1222048	2-60	4 304	18,895	3.94	744	26	14,783	3.69	545	10-69	44	459	.12	34	40
35-49-0046	5354340	1199324	3-61	4 305	21,067	3.73	786	33	15,597	3.76	586	3-69	44	1,149	.00	41	64
35-49-0052	6477786	1222994	1-66	3 305	23,113	3.76	868	13	17,190	3.71	637	3-70	42	1,010	.01	38	58
35-49-0052	6689000	1261857	9-66	2 293	20,440	3.78	772	12	17,800	3.66	652	12-69	40	749	.07	38	51
35-49-0052	6957204	1261857	10-67	1 305	26,760	3.73	997	6	19,080	3.54	676	9-69	36	1,081	.09	52	71
35-49-0052	6957205	1261857	10-67	1 305	20,890	3.69	770	9	18,080	3.64	658	1-70	36	710	.07	36	48
35-49-0052	6957206	1261857	11-67	1 305	21,470	3.61	776	8	18,850	3.51	662	10-69	36	702	.07	36	48
35-49-0052	6957208	1261857	11-67	1 305	21,080	3.52	742	8	18,850	3.51	662	10-69	36	673	.06	33	45
35-49-0055	6315665	1386406	3-65	3 304	18,226	3.86	704	16	15,450	3.51	542	6-69	42	635	.06	31	42
35-49-0082	5863798	1386406	4-63	4 303	18,665	3.73	696	21	14,342	3.65	523	12-69	44	831	.02	33	49
35-49-0083	7031228	1261857	9-66	1 305	17,610	4.11	724	27	14,120	3.94	557	10-69	36	732	.09	39	51
35-49-0111	6976609	1458744	9-67	1 305	18,230	3.64	663	20	14,950	3.82	571	11-69	36	810	-.02	26	43
35-49-0150	6879561	1261857	10-67	1 305	19,980	3.97	793	26	16,350	3.66	598	10-69	36	759	.10	42	55
35-49-0150	7067600	1261857	11-67	1 305	17,330	4.00	693	27	15,750	3.71	585	11-69	36	601	.09	35	45
35-50-0005	6196501	1383926	1-65	3 305	15,136	4.17	631	8	13,416	3.54	475	1-70	42	477	.10	32	39
35-50-0005	6571038	1366229	9-65	3 273	19,770	4.31	853	16	15,873	3.60	572	2-70	42	541	.17	44	51
35-50-0009	6399578	1456471	12-64	2 305	22,665	3.45	783	8	16,730	3.60	603	10-68	25	786	-.03	24	40
35-50-0023	6660899	1070036	8-66	1 305	24,890	3.50	872	12	15,920	3.76	598	11-69	36	992	.03	40	59
35-52-0023	5508713	1199324	3-61	6 304	17,641	3.73	658	15	15,416	3.53	544	1-70	44	753	.01	29	44
35-52-0023	6498871	1417208	7-65	3 305	18,933	3.27	619	16	16,010	3.55	569	2-70	42	755	-.04	22	38
35-52-0023	6949250	1417208	9-67	1 301	24,370	2.50	610	29	16,610	3.32	551	10-69	36	1,033	-.10	22	45
35-52-0038	6933481	1420676	9-67	1 305	19,890	3.66	727	18	12,560	4.01	504	3-70	26	992	-.04	30	51
35-52-0039	6024740	1386406	9-63	5 301	18,902	3.57	674	20	15,728	3.61	568	12-69	44	720	.00	26	40
35-52-0056	4982412	1300012	9-59	3 305	22,210	3.67	816	33	16,803	3.84	646	12-69	41	895	-.07	22	41
35-52-0056	5389853	1244845	9-60	4 305	22,268	3.80	847	30	15,913	3.89	619	7-69	44	1,024	-.03	33	54
35-52-0056	6519047	1441149	11-65	2 305	19,540	4.30	841	32	16,865	3.88	654	4-69	32	510	.09	32	40
35-52-0056	6645061	1396617	7-66	2 305	21,420	3.94	843	33	16,325	3.92	640	11-69	32	922	-.01	32	50
35-52-0085	6277998	1314767	3-65	3 305	20,083	3.55	713	8	16,273	3.64	592	7-69	42	652	.01	25	38
35-52-0085	6938699	1377954	9-67	1 305	22,110	3.99	883	19	19,820	3.83	759	3-70	36	586	.04	27	38
35-52-0112	6929946	1303184	7-67	1 305	17,580	3.70	651	16	13,370	3.87	518	1-70	29	703	-.02	23	37
35-52-0112	6929947	1303184	10-67	1 305	16,890	4.03	680	13	13,460	3.84	517	2-70	29	639	.01	25	37
35-52-0126	5816421	1357091	3-63	3 305	18,213	3.98	724	13	16,147	3.73	602	12-68	33	612	.05	29	40
35-53-0010	6741502	1070036	10-66	2 305	16,150	4.13	667	9	13,855	3.58	496	2-70	40	522	.11	35	43
35-53-0012	6771778	1377052	9-66	2 305	18,825	4.07	766	5	15,115	3.77	570	3-70	40	579	.06	29	39
35-53-0022	6488287	1330987	9-65	2 305	16,395	3.73	611	20	14,035	3.65	512	7-69	40	564	.05	27	37
35-53-0022	6488289	1330987	10-65	2 305	17,115	3.92	671	20	14,035	3.65	512	7-69	40	637	.07	33	44
35-53-0022	6488290	1330987	10-65	2 305	18,265	3.60	658	12	13,690	3.72	509	12-69	40	786	.02	32	47
35-53-0023	5988417	1237057	10-63	4 305	19,228	3.44	661	28	14,153	3.70	524	12-69	44	909	-.07	22	42
35-53-0023	6046983	1237057	10-63	4 305	18,368	3.52	647	34	14,133	3.71	524	12-69	44	805	-.06	20	37
35-53-0028	5499933	1106334	9-61	4 305	19,363	4.33	838	6	12,313	3.74	460	6-69	43				

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C O	.....C D W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..OOL- LARS	
35-54-0055	6203656	1106334	10-64	4 303	20,190	3.49	705	13	15,888	3.73	592	3-70	43	619	.02	25	\$ 37
35-54-0055	6272903	1314767	1-65	3 305	21,983	3.27	719	11	14,383	3.76	541	6-69	42	1,066	-.05	31	53
35-54-0055	6765649	1314767	12-66	2 305	19,260	4.37	842	8	17,320	3.57	618	3-70	40	424	.13	34	39
35-54-0063	5704572	1386406	4-62	5 305	21,702	3.90	847	20	16,634	3.66	609	2-70	44	976	.06	44	62
35-54-0063	5887380	1413934	10-63	4 305	20,640	3.73	770	24	16,280	3.80	619	3-70	30	699	.00	25	39
35-54-0261	5538837	1199324	11-61	6 305	18,891	3.32	628	20	14,485	3.78	547	10-69	44	1,023	-.08	25	47
35-54-0261	5538843	1216957	12-61	3 305	19,987	3.90	779	33	15,457	3.70	572	2-69	42	550	.06	29	38
35-54-0261	5893344	1408166	7-63	4 305	19,805	3.73	738	35	15,778	3.76	593	12-69	34	698	.03	29	42
35-54-0261	6021540	1314767	9-63	3 305	19,920	3.84	765	24	15,000	3.65	547	9-68	42	765	.05	35	49
35-54-0261	6444750	1283917	10-65	3 263	23,953	3.23	773	30	17,230	3.66	630	12-69	42	1,064	-.14	18	43
35-54-0261	6508410	1386406	2-66	2 300	18,790	3.85	723	23	16,355	3.69	603	2-69	40	581	.03	26	37
35-54-0263	6744317	1314767	10-66	1 305	21,760	3.19	694	10	14,540	3.84	558	3-69	36	748	-.04	21	37
35-54-0354	6752219	1377954	7-66	1 305	20,260	3.38	685	7	13,080	3.59	469	5-69	36	900	.00	32	50
35-55-0012	5435195	1270685	11-59	7 305	16,108	4.26	687	14	11,950	3.72	444	11-68	42	591	.14	41	49
35-55-0012	5814693	1270685	1-63	4 305	15,582	4.34	677	11	12,522	3.75	469	4-69	41	433	.13	35	40
35-55-0033	5474721	1199324	1-62	5 260	18,224	3.63	662	7	14,452	3.77	545	1-69	8 44	940	-.03	30	49
35-56-0009	6660503	1261857	11-66	2 305	18,205	3.55	647	16	15,040	3.55	534	2-70	40	774	.06	37	51
35-56-0009	6847314	1261857	4-67	1 305	17,400	3.68	641	33	14,240	3.60	512	9-69	36	708	.07	36	48
35-56-0020	7050482	1365341	9-67	1 305	17,640	3.58	631	12	12,340	3.73	460	1-70	35	898	-.03	28	47
35-56-0020	7050484	1365341	10-67	1 305	17,700	3.73	660	8	12,270	3.75	460	11-69	35	907	-.02	30	48
35-56-0033	6039458	1330987	7-63	4 305	19,065	3.63	693	13	13,305	3.76	500	9-69	44	1,009	.02	40	59
35-56-0035	6851006	1467006	8-67	1 146	21,630	3.29	711	21	15,120	3.89	588	11-69	8 31	881	-.08	20	39
35-56-0045	5199628	1313976	8-60	6 305	18,820	4.29	808	26	15,241	3.86	589	5-69	38	515	.11	35	42
35-56-0045	5470814	1190632	7-61	6 305	22,300	3.41	761	26	15,432	3.96	611	5-69	44	1,132	-.15	18	44
35-56-0045	6885723	1365341	9-67	1 305	22,600	3.58	810	44	16,270	3.93	640	11-69	35	1,005	-.05	29	50
35-56-0050	5814338	1397209	12-62	4 305	19,937	3.92	782	31	17,222	3.81	656	11-68	43	722	.01	28	42
35-56-0050	5926091	1397209	11-63	4 305	22,797	3.47	791	31	17,780	3.74	665	11-68	43	1,016	-.06	28	50
35-56-0050	6249611	1397209	10-64	3 305	24,416	3.78	923	30	18,380	3.73	686	1-69	42	1,107	.01	41	63
35-56-0050	6630667	1366229	8-66	2 305	22,545	3.89	878	33	17,235	3.80	655	12-69	40	641	.08	35	46
35-56-0050	6916000	1397209	8-67	1 305	21,400	3.45	738	30	16,030	3.92	628	9-69	35	808	-.06	21	38
35-56-0050	6997400	1366229	1-68	1 305	26,460	3.98	1053	27	17,480	3.73	652	2-70	35	775	.10	43	56
35-56-0057	5517982	1313975	11-61	7 303	20,393	4.20	857	15	16,317	3.87	632	12-69	36	735	.11	42	54
35-56-0071	6736222	1373055	8-66	2 305	20,020	3.88	777	41	15,685	3.73	585	12-69	40	699	-.02	23	37
35-56-0088	6001164	1330987	2-63	5 299	16,062	3.47	558	30	13,390	3.58	480	9-69	44	639	.02	26	38
35-56-0096	6502909	1441026	11-65	2 301	18,765	3.39	636	14	14,245	3.97	565	1-70	36	1,014	-.10	21	44
35-56-0096	6700094	1192713	12-66	2 289	18,960	3.72	705	23	15,965	3.88	619	12-69	40	689	-.01	23	37
35-56-0118	5546829	1234023	10-60	3 305	17,233	4.33	746	17	13,580	3.79	515	10-68	42	478	.10	32	39
35-56-0235	6570444	1449586	10-64	2 305	22,150	3.06	678	6	14,110	3.66	517	1-70	25	1,019	-.11	21	44
35-56-0235	7003211	1261857	11-66	1 305	24,600	3.68	905	15	14,580	3.88	566	9-69	36	1,222	.05	52	75
35-56-0364	6623220	1454720	9-65	2 305	23,340	4.60	1074	16	19,590	3.69	723	10-68	35	708	.18	52	62
35-57-0017	5834339	1386406	2-63	4 300	15,720	3.65	574	18	12,757	3.63	463	6-69	44	643	.01	25	37
35-57-0017	5982623	1386406	3-63	4 305	18,675	3.80	709	19	13,105	3.53	463	4-69	44	969	.05	42	60
35-57-0039	5837014	1314767	2-63	5 304	17,706	3.60	638	18	13,166	3.65	481	3-70	44	756	.02	30	45
35-57-0042	5735379	1386406	9-62	5 305	19,232	3.60	693	16	15,346	3.69	566	1-69	44	807	.00	29	45
35-57-0042	5980201	1329588	12-63	4 304	19,513	3.59	700	21	13,988	3.70	517	12-69	44	911	-.03	29	48
35-57-0042	6957500	1261857	7-67	1 305	18,960	3.92	744	12	12,800	3.75	480	2-70	36	921	.09	46	62
35-57-0047	6191925	1397027	3-63	5 305	19,344	3.53	682	10	14,696	3.80	558	4-70	36	819	-.04	24	41
35-57-0047	6458699	1340669	12-64	3 305	19,660	3.60	708	12	14,240	3.76	535	8-69	42	877	-.09	19	39
35-57-0047	7093961	1458744	5-67	1 305	18,710	3.63	679	19	15,340	3.83	588	9-69	36	820	-.02	26	43
35-57-0053	5785784	1386406	12-62	5 305	17,562	3.85	676	18	14,824	3.65	541	4-69	44	652	.04	30	42
35-57-0053	5785785	1386406	1-63	4 301	16,355	4.10	670	22	14,357	3.71	533	10-68	44	544	.06	29	38
35-57-0053	6471865	1386406	9-64	4 305	20,790	3.72	774	22	15,072	3.78	569	12-69	44	1,012	.01	38	58
35-57-0053	7105591	1492088	9-66	2 305	20,560	3.77	776	21	15,865	3.81	605	11-69	28	745	.00	27	42
35-57-0053	7150076	1428104	11-67	1 305	23,340	3.65	852	14	16,430	3.60	591	4-70	33	1,151	-.06	33	57
35-57-0077	6778883	1458744	11-66	2 305	21,620	3.46	748	17	17,965	3.76	676	4-70	40	937	-.05	27	47
35-57-0077	7018757	1499368	11-67	1 305	25,050	3.82	956	18	18,840	3.66	690	12-69	25	898	-.01	31	49
35-57-0085	5726644	1314767	12-62	5 297	16,070	3.80	610	20	12,752	3.79	483	11-69	44	593	.03	26	37
35-57-0085	5970674	1245390	12-63	5 295	16,802	3.63	610	17	12,966	3.80	493	1-70	43	807	-.07	19	37
35-57-0086	6672310	1484737	7-66	1 305	20,050	3.45	691	10	15,570	3.71	577	4-69	23	741	-.04	21	37
35-57-0086	6672311	1484737	7-66	2 305	19,745	3.52	696	16	14,325	3.73	535	8-69	29	957	-.04	29	49
35-57-0086	6672313	1484737	9-66	2 305	23,455	3.95	927	19	16,600	3.78	628	12-69	29	1,158	.03	47	69
35-57-0086	6672315	1484737	9-66	2 305	21,305	3.33	709	19	16,440	3.79	623	11-69	29	915	-.08	21	41
35-57-0086	6672316	1484737	10-66	2 305	18,690	4.01	750	19	16,440	3.79	623	11-69	29	599	.03	26	37
35-57-0086	6672320	1373055	10-66	2 305	22,570	3.59	811	26	17,445	3.77	657	11-69	40	797	-.06	20	37
35-57-0086	6801472	1484737	2-67	1 305	21,130	3.36	709	9	15,480	3.83	593	3-69	23	846	-.06	21	39
35-57-0086	6821641	1484737	12-66	2 304	19,715	3.62	713	8	15,845	3.84	608	4-70	29	788	-.04	23	40
35-57-0086	6888508	1484737	5-67	1 305	22,600	3.43	775	11	13,960	3.69	515	6-69	23	1,103	-.05	33	56
35-57-0086	6888513	1484737	9-67	1 305	24,610	3.30	811	14	17,950	3.78	679	12-69	23	960	-.08	23	44
35-57-0090	6643094	1406841	6-66	1 305	20,190	3.14	634	16	13,500	3.69	498	11-68	23	836	-.07	20	38
35-57-0105	5686399	1199324	7-62	5 305	18,808	3.95	743	26	1								

TABLE 3. HOLSTEIN US0A-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	LAST T CALVO C REPT MO-YR O (%)	.....C D W MILK (LB)	I N D E X..... FAT (%)	..... FAT (LB)	..... OOL- LARS		
35-59-0119	6791612	1397209	3-67	1 305	20,080	3.59	721	16 14,980	3.71	556	11-69	35	780	-.02	25	\$ 41
35-59-0123	6456340	1306247	12-65	1 300	16,580	4.05	672	11 13,620	3.56	485	5-69	35	683	.02	28	41
35-59-0132	5966361	1199324	11-63	3 305	16,743	3.49	585	14 12,540	3.53	443	6-69	42	931	-.02	30	49
35-60-0001	5205864	1070036	7-60	3 305	18,553	4.20	779	32 15,370	3.60	553	10-69	42	663	.14	44	54
35-60-0001	6648824	1448297	9-66	2 295	20,320	3.53	718	37 16,335	3.58	585	10-69	38	812	-.05	22	39
35-60-0001	6662150	1386406	8-66	2 305	23,085	3.39	782	38 16,650	3.56	593	12-69	40	990	-.02	33	53
35-60-0024	6613340	1466701	7-66	2 305	20,300	3.49	709	16 10,810	3.34	361	4-70	28	1,354	.01	51	77
35-60-0024	6752433	1466701	11-66	2 302	15,460	3.63	561	15 10,855	3.34	363	4-70	28	761	.04	33	47
35-60-0024	6752434	1466701	2-67	1 305	16,600	3.17	527	30 10,790	3.37	364	1-70	22	758	-.02	24	40
35-60-0036	6169225	1466300	8-64	4 305	17,740	3.63	644	18 13,730	3.73	512	3-70	33	688	-.01	23	37
35-60-0040	6193808	1386406	8-64	3 265	19,680	3.08	606	12 14,096	3.67	517	10-69	42	943	-.07	23	44
35-60-0040	6927994	1386406	10-66	1 305	21,010	3.66	770	14 15,510	3.65	566	11-68	36	750	.01	29	44
35-60-0049	5419246	1070036	8-61	4 305	19,460	3.77	733	17 16,428	3.44	565	4-70	44	679	.09	38	49
35-60-0052	6205379	1418784	5-64	2 305	18,925	3.62	686	24 14,545	3.49	507	12-68	29	686	-.01	24	38
35-60-0055	6536429	1441298	3-66	2 305	20,655	3.40	703	15 17,485	3.70	647	7-69	37	964	-.10	20	42
35-60-0055	6536431	1306247	9-65	2 305	21,895	3.97	869	14 17,355	3.72	646	7-69	40	932	.02	37	55
35-60-0060	5709189	1244845	11-62	4 305	20,620	3.32	685	18 15,018	3.60	541	3-70	44	920	-.08	22	42
35-60-0064	5828464	1395524	2-63	4 305	18,628	4.09	762	15 15,368	3.85	591	1-70	33	644	.06	32	43
35-60-0064	5931252	1395524	7-63	4 301	18,603	4.03	749	16 15,638	3.89	608	10-69	33	605	.04	28	39
35-60-0073	6643420	1261857	6-66	2 305	16,270	3.82	622	34 14,620	3.74	547	8-69	40	616	.07	33	43
35-60-0073	6975679	1261857	10-67	1 305	19,530	3.78	739	24 16,680	3.70	617	11-69	36	703	.07	36	48
35-60-0080	5736846	1214317	12-62	4 298	20,438	3.52	720	12 16,053	3.73	598	4-69	8 43	793	-.03	24	40
35-60-0080	6871898	1383926	10-66	1 305	21,180	3.90	826	10 16,660	3.68	613	11-68	35	673	.05	32	44
35-60-0083	6495377	1459966	12-65	2 305	22,015	3.25	715	13 14,735	3.62	534	4-69	25	931	-.06	24	44
35-60-0083	6972555	1306247	12-67	1 305	22,670	3.37	764	22 16,870	3.60	608	2-70	35	922	-.05	26	46
35-60-0089	6154712	1383926	9-64	3 305	20,380	4.02	820	19 16,686	3.75	625	11-69	42	745	.08	38	51
35-60-0089	6332259	1383926	6-65	3 299	21,620	3.35	724	18 16,893	3.75	633	1-70	42	867	-.04	26	44
35-60-0089	6606328	1441298	4-66	2 305	21,815	3.21	700	12 16,710	3.78	631	10-69	37	1,161	-.14	21	48
35-60-0089	6649657	1441298	7-66	1 305	23,320	3.59	838	10 17,440	3.70	646	10-69	33	1,123	-.07	30	54
35-60-0089	6674842	1441298	11-66	2 305	19,945	3.63	725	17 17,380	3.63	631	2-70	37	898	-.06	24	43
35-60-0089	6802863	1441298	3-67	1 305	20,950	3.42	717	10 17,440	3.70	646	10-69	33	936	-.09	21	42
35-60-0089	6961542	1306247	12-67	1 305	23,030	3.29	757	22 18,450	3.63	669	1-70	35	842	-.06	22	40
35-60-0094	6218223	1357797	1-65	3 304	17,923	3.67	658	12 15,613	3.76	587	3-69	42	508	.09	31	39
35-60-0094	6402261	1236789	8-65	3 305	19,080	3.55	678	16 15,583	3.88	604	11-69	42	791	-.04	23	40
35-60-0094	6586283	1236789	12-65	3 305	20,430	3.51	718	13 15,763	3.83	604	11-69	42	929	-.04	27	47
35-60-0094	6768160	1236789	9-66	1 305	21,680	3.69	799	10 15,150	3.75	568	2-69	35	903	.00	32	50
35-60-0099	5885659	1410879	8-63	5 301	18,666	3.69	689	15 14,996	3.59	539	10-69	36	649	.06	32	43
35-60-0107	6534477	1448297	12-65	1 305	21,790	3.53	770	18 16,640	3.41	567	12-69	34	813	-.04	24	41
35-60-0116	6701600	1306247	8-66	1 305	21,110	3.77	796	16 15,880	4.07	646	7-69	35	872	-.04	26	44
35-60-0123	5969646	1199324	10-63	3 305	20,956	3.69	774	37 14,710	3.83	564	8-69	42	1,191	-.02	40	64
35-60-0125	6559944	1397209	6-66	1 305	24,390	3.91	954	15 16,900	3.92	662	2-69	35	975	.00	35	54
35-60-0125	6835833	1397209	11-66	1 297	17,100	4.02	688	8 13,530	3.85	521	7-69	35	654	.01	25	38
35-61-0014	6355965	1306247	2-65	3 298	20,076	3.82	766	19 16,490	3.85	635	8-69	42	867	-.02	29	47
35-61-0014	6613801	1192713	2-66	2 305	21,880	3.76	822	20 17,070	3.77	644	9-69	40	885	.00	32	50
35-61-0014	6613804	1222994	3-66	2 305	24,885	3.44	856	27 17,385	3.79	659	10-69	40	1,097	-.05	32	55
35-61-0014	6723962	1222994	9-66	2 305	21,700	3.38	734	27 17,335	3.73	647	11-69	40	779	-.05	21	38
35-61-0014	6723964	1261857	9-66	2 305	19,890	4.04	804	31 17,730	3.67	650	12-69	40	699	.11	42	53
35-61-0014	6962285	1261857	10-67	1 305	23,000	3.57	820	26 17,560	3.62	636	2-70	36	902	.06	41	57
35-61-0016	5951002	1330987	7-63	4 305	18,665	3.27	611	11 15,088	3.72	562	10-69	44	762	-.03	23	39
35-61-0027	5041649	1228022	3-59	4 301	18,680	3.35	626	10 14,903	3.27	488	12-69	43	1,038	-.06	29	51
35-61-0028	6775555	1397209	12-66	2 305	23,275	3.45	803	7 16,775	3.56	598	3-70	40	1,055	-.03	33	55
35-62-0010	5673288	1244845	10-62	3 305	18,747	3.48	652	13 12,840	3.77	484	3-69	42	887	-.06	23	42
35-62-0012	6499424	1245390	11-65	2 305	20,855	3.31	691	19 15,650	3.43	537	2-70	39	897	-.08	20	40
35-62-0050	5017043	1319911	11-59	4 305	18,835	3.50	659	45 14,488	3.63	526	3-70	33	746	-.03	22	38
35-62-0050	5062460	1245390	3-60	3 305	20,740	3.65	758	52 14,527	3.63	528	1-69	41	1,061	-.05	31	53
35-62-0050	5660827	1070198	11-61	2 305	21,555	3.65	787	47 14,620	3.63	530	2-69	40	899	.00	33	51
35-62-0071	6076372	1314767	11-63	4 302	19,257	3.43	660	27 13,955	3.58	499	1-70	44	837	.00	30	47
35-62-0071	6497457	1314767	10-65	2 305	18,055	3.62	654	17 13,550	3.49	473	6-69	40	647	.03	28	40
35-62-0071	6498714	1343798	9-65	3 305	19,500	3.63	708	29 14,260	3.59	512	1-70	42	521	.10	33	41
35-62-0117	6693077	1406271	8-66	1 305	18,740	3.83	718	11 13,270	3.29	437	3-70	36	861	.07	42	57
35-62-0274	6963291	1314767	3-66	2 305	19,530	3.48	680	13 13,570	3.56	483	6-69	40	794	.01	30	46
35-63-0003	6295448	1314767	3-65	3 304	21,036	3.55	747	26 15,736	3.74	589	11-69	42	817	.00	29	45
35-63-0003	6295449	1314767	3-65	3 305	20,903	3.57	746	17 15,913	3.71	590	1-70	42	783	.01	29	44
35-63-0016	6546706	1458744	5-66	2 305	19,245	4.03	776	16 16,220	3.63	588	3-70	40	855	.05	38	54
35-63-0075	6768771	1242221	2-67	1 299	20,500	3.45	708	13 15,600	3.69	575	9-69	34	1,112	-.02	37	60
35-63-0079	6840379	1469311	11-66	2 305	15,615	3.52	550	14 11,260	3.69	416	11-69	40	626	.02	26	38
35-63-0105	6417967	1314767	7-65	3 305	21,976	3.48	765	11 16,390	3.53	578	12-69	42	857	.01	32	49
35-63-0110	6619667	1294703	12-64	2 305	19,100	3.40	650	17 14,115	3.79	535	2-70	40	905	-.08	21	41
35-63-0114	6535149	1458744	2-66	2 305	17,765	3.43	610	7 15,320	3.47	531	7-69	40	787	-.02	26	42
35-63-0115	5712282	1070198	9-62	3 305	19,910	3.91	778	13 15,263	3.66	559	1-70	42	735	.04	33	46
35-63-0115	6853170	1314767	3-67	1 305	21,280	3.73	794	12 15,890	3.64	578	1-70	36	622	.03	27	39
35-63-0124	6713408	1261857	8-66	2 305	23,0											

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C OC O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..OOL- LARS
35-65-0114	5579031	1370467	3-62	5 300	21,890	3.85	842	8 16,546	3.74	618	11-69	36	930	.03	38	\$ 56	
35-65-0114	5983886	1381974	9-63	3 263	26,637	3.87	1031	21 14,740	3.70	546	9-68	8 32	1,733	.05	70	103	
35-65-0114	6843042	1484524	6-67	1 305	24,890	4.05	1009	11 16,130	3.97	641	11-69	19	853	.04	37	53	
35-65-0151	5522806	1360889	9-61	6 303	19,318	3.46	669	22 14,748	3.90	575	8-69	36	805	-.07	19	37	
35-65-0151	5924309	1237057	10-63	2 305	18,780	3.55	666	18 14,015	3.63	509	5-69	40	781	-.05	21	38	
35-65-0151	6235907	1406271	12-64	3 305	17,033	3.69	628	19 13,623	3.62	493	7-69	42	805	.04	35	50	
35-65-0151	6414105	1417703	10-65	2 305	21,225	3.44	730	23 13,285	3.79	504	12-69	32	994	-.07	25	47	
35-65-0168	5526901	1282185	12-61	6 305	19,496	3.24	631	17 13,271	3.64	483	4-69	44	877	-.08	20	39	
35-65-0173	5988221	1237057	7-63	5 297	18,100	3.45	625	13 13,522	3.68	498	3-70	44	861	-.07	21	40	
35-65-0173	6082991	1237057	7-64	2 305	20,315	3.48	706	12 12,815	3.75	480	11-68	40	1,047	-.07	28	50	
35-65-0197	6159626	1268294	9-64	3 305	22,050	3.07	677	11 16,363	3.42	560	4-69	42	929	-.10	19	40	
35-65-0203	6678575	1261857	7-66	1 305	17,790	3.61	643	13 13,640	3.89	531	2-70	36	777	.05	35	49	
35-65-0212	7019385	1458744	1-68	1 305	19,530	3.30	644	18 16,610	3.82	635	1-70	36	796	-.06	20	37	
35-65-0214	6164097	1386406	6-64	2 305	17,455	3.66	639	21 13,585	3.98	541	12-68	40	698	-.01	23	37	
35-65-0214	6516881	1261857	6-65	2 305	17,240	3.95	681	32 14,160	3.89	551	12-69	40	757	.07	38	51	
35-65-0214	7052900	1261857	2-66	1 305	16,060	4.32	694	34 13,690	4.04	553	3-69	36	645	.09	37	47	
35-65-0216	6667612	1458744	10-66	2 305	20,020	3.62	724	10 15,590	3.82	596	3-70	40	991	-.03	32	52	
35-65-0216	6667614	1458744	11-66	2 305	18,405	3.45	635	10 15,045	3.88	584	3-70	40	877	-.05	24	43	
35-65-0218	5802542	1401892	1-63	4 305	20,408	3.61	736	32 13,185	4.17	550	9-69	33	1,209	-.05	36	61	
35-65-0218	6639514	1383004	7-66	2 305	19,305	4.50	868	24 14,250	4.18	596	1-70	40	511	.17	43	49	
35-65-0226	6978590	1417208	3-66	2 305	16,690	4.03	672	19 14,595	3.72	543	7-69	40	627	.04	29	40	
35-65-0249	6253264	1417208	2-65	3 305	20,006	3.44	689	22 15,773	3.88	612	10-69	42	903	-.05	25	44	
35-65-0249	6551183	1386406	1-66	2 305	17,250	4.34	749	28 14,625	3.86	564	9-69	40	583	.08	32	42	
35-65-0249	6687083	1386406	9-66	2 305	20,935	3.35	702	27 15,085	3.85	581	12-69	40	915	-.05	26	45	
35-65-0254	6214926	1386406	8-64	3 305	17,376	3.97	689	12 15,266	3.58	547	9-69	42	557	.06	29	39	
35-65-0254	6269519	1386406	9-64	3 305	19,286	3.22	621	8 14,976	3.63	544	9-69	42	806	-.05	22	39	
35-65-0266	6142189	1396885	6-64	4 285	19,170	3.74	717	28 15,013	3.71	557	3-70	42	652	.02	26	38	
35-65-0267	5540640	1308883	3-60	6 305	18,622	3.24	603	10 14,767	3.55	524	2-70	36	940	-.10	19	40	
35-65-0267	6715667	1330987	2-66	2 305	16,705	3.50	585	15 13,340	3.70	494	11-69	40	659	.02	26	39	
35-65-0294	6287422	1383004	1-65	3 301	17,646	3.81	673	11 13,746	3.59	494	3-70	42	441	.13	34	40	
35-65-0308	4568780	1090340	10-57	7 305	17,616	3.49	615	40 13,587	3.75	509	7-69	44	855	-.03	26	44	
35-65-0308	6302729	1242221	5-65	2 305	21,205	3.49	741	9 13,710	3.78	518	10-68	38	1,456	-.04	47	77	
35-65-0308	6823703	1308101	6-67	1 305	17,720	3.52	624	10 14,060	3.66	514	9-69	36	865	-.03	27	45	
35-65-0308	6892651	1308101	9-67	1 305	20,210	3.12	630	8 13,540	3.62	490	12-69	36	1,086	-.07	29	52	
35-65-0334	6512669	1330987	2-66	2 305	17,910	3.48	624	19 14,545	3.60	523	11-69	40	671	.03	28	41	
35-66-0014	5784611	1268689	4-62	5 305	19,746	3.52	695	8 13,380	3.82	511	8-69	44	865	-.05	24	42	
35-66-0017	6588868	1261857	4-66	2 305	17,335	3.91	677	8 14,245	3.66	521	7-69	40	758	.09	41	54	
35-66-0017	6762555	1239242	1-67	2 305	16,850	3.90	657	10 13,435	3.64	489	2-70	40	609	.03	26	37	
35-66-0017	6973496	1261857	10-67	1 287	17,680	3.85	681	13 15,220	3.78	575	10-69	36	663	.08	35	46	
35-67-0002	5714224	1386406	10-62	5 305	18,718	3.51	657	18 15,418	3.56	549	12-69	44	733	.00	26	41	
35-67-0002	5779818	1386406	6-62	3 303	20,330	3.92	797	30 16,106	3.59	578	2-69	42	809	.06	38	53	
35-67-0002	6153771	1386406	8-64	4 305	20,272	3.50	709	30 15,612	3.63	567	11-69	44	888	-.01	30	48	
35-67-0020	6566749	1386406	1-66	2 305	16,965	4.08	693	9 14,915	3.67	547	10-69	40	527	.06	28	37	
35-67-0038	6479468	1236789	10-65	1 305	21,720	4.00	869	7 18,190	3.84	699	12-69	35	700	.03	29	42	
35-67-0038	6621597	1236789	4-66	1 305	20,480	3.81	780	6 16,960	3.97	673	10-69	35	690	-.01	24	38	
35-67-0038	6664608	1236789	7-66	1 305	22,050	3.72	820	9 17,720	3.92	695	11-69	35	757	-.02	25	40	
35-67-0042	5668200	1182696	3-61	3 305	18,613	4.02	749	16 15,297	3.70	566	3-70	42	669	.07	34	46	
35-67-0048	6667700	1330987	11-66	1 282	17,200	3.53	607	10 13,190	3.55	468	12-69	36	638	.03	28	40	
35-67-0052	5011198	1236789	11-59	6 305	17,450	3.28	573	23 13,460	3.72	501	1-69	44	865	-.06	22	41	
35-67-0052	5404420	1236789	1-61	6 255	15,170	4.08	619	12 13,640	3.56	486	9-69	44	546	.06	29	38	
35-67-0052	5430636	1070036	2-61	2 305	17,785	4.30	765	24 14,665	3.65	535	3-69	40	614	.13	41	50	
35-67-0052	6048956	1189870	2-64	1 305	20,890	3.77	787	14 14,680	3.58	525	1-70	36	712	.02	29	43	
35-67-0054	5322821	1236789	5-60	8 301	18,837	3.86	727	14 16,148	3.55	574	4-70	44	730	.05	33	46	
35-67-0061	5079501	1276782	3-60	6 300	18,915	3.43	649	13 14,100	3.59	506	10-68	35	848	-.03	26	44	
35-67-0061	6080722	1404872	6-63	3 300	19,567	3.76	736	23 14,443	3.68	532	1-70	32	842	.01	32	48	
35-67-0061	6080723	1404872	6-63	5 305	21,108	3.38	713	16 15,666	3.63	568	3-70	35	983	-.06	27	48	
35-67-0061	7394455	1070036	11-67	1 305	19,710	3.68	725	42 15,670	3.66	573	1-70	36	623	.06	31	42	
35-67-0069	6727490	1236789	10-66	1 305	22,140	3.42	757	15 16,400	3.80	624	10-69	35	853	-.04	25	43	
35-67-0078	6531321	1417488	10-64	3 305	19,623	3.62	711	12 14,736	3.73	549	12-69	34	846	-.02	28	45	
35-67-0078	6711199	1386406	2-65	3 305	17,290	3.80	657	5 13,833	3.71	513	7-69	42	695	.03	29	42	
35-67-0081	6568595	1244845	9-65	2 305	20,245	3.36	680	18 13,725	3.91	537	11-69	40	888	-.09	19	39	
35-67-0084	5857037	1216957	9-61	3 305	18,130	4.11	745	9 13,940	3.74	521	8-69	42	493	.08	30	38	
35-67-0087	4844892	1314767	2-59	7 302	20,428	3.88	793	6 17,261	3.68	636	1-69	44	632	.06	32	43	
35-67-0091	6504137	1386406	3-66	2 305	17,805	3.71	661	24 14,360	3.59	515	12-69	40	663	.03	28	40	
35-67-0209	5460982	1306662	9-61	5 305	19,680	3.54	696	12 14,694	3.61	530	1-69	36	877	-.02	29	47	
35-67-0209	6901317	1458744	5-67	1 305	17,010	3.32	565	13 14,010	3.51	492	11-69	36	782	-.03	24	40	
35-68-0002	6859462	1261857	3-67	1 305	15,800	3.88	613	8 13,400	3.95	529	6-69	36	645	.07	33	44	
35-68-0029	6248961	1241696	11-64	4 305	19,250	3.40	654	34 14,467	3.57	516	4-70	35	796	-.03	24	41	
35-68-0030	5965633	1181029	9-63	2 305	19,200	4.29	823	24 15,365	3.81	585	9-69	40	485	.09	30	37	
35-68-0071	7312883	1458744	7-67	1 305	16,800	3.84	645	7 13,890	3.88	539	4-70	36	775	-.01	27	43	
35-68-0075	6238345	1386406	1-65	3 305	19,090	3.98	760	16 15,296	3.70	566	1-70	42	751	.05	35	49	
35-68-0075	6799452	1458744	12-66	2 303	18,230	3.43</											

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK. (LB)	I N D E X..... FAT (%)	FAT (LB)	..... OOL- LARS
35-69-0031	7255366	1458744	3-68	1 305	18,100	3.90	705	12 16,080	3.76	604	3-70	36	725	.01	27	\$ 41
35-69-0033	5820872	1199324	6-62	6 305	17,020	3.69	628	16 15,126	3.68	556	10-69	44	707	-.01	24	38
35-69-0033	5976150	1199324	9-63	4 305	23,015	3.61	830	26 16,092	3.58	576	5-69	44	1,335	-.01	47	74
35-69-0033	5976154	1237057	9-63	4 305	21,203	3.39	719	28 16,378	3.68	602	10-69	44	906	-.09	20	40
35-69-0033	6064417	1199324	12-63	4 305	19,952	3.83	764	24 15,850	3.69	585	12-69	44	983	.02	38	57
35-69-0052	5738860	1237057	10-62	5 304	22,296	3.60	803	15 17,054	3.68	628	4-69	44	993	-.05	29	50
35-69-0052	5738863	1403142	1-63	4 300	21,668	4.06	879	28 17,385	3.63	631	11-69	30	704	.10	40	51
35-69-0052	6165720	1386406	8-64	3 305	19,256	4.07	783	19 16,726	3.62	605	9-69	42	622	.08	34	44
35-69-0052	6165724	1237057	9-64	3 305	22,133	3.56	787	21 17,433	3.69	644	3-69	42	867	-.06	23	42
35-69-0052	6426885	1386406	11-65	3 305	22,156	3.42	758	19 18,690	3.64	681	2-70	42	752	-.03	23	39
35-69-0062	6336021	1397209	1-65	2 305	16,480	3.82	630	8 12,875	3.66	471	2-69	40	720	.01	27	41
35-69-0073	6954969	1458744	10-67	1 305	17,420	3.59	626	17 13,690	3.81	521	12-69	36	834	-.02	27	44
35-70-0001	6816531	1441298	1-67	2 300	17,095	3.76	643	36 14,920	3.71	553	1-70	37	830	-.05	23	41
35-70-0008	5516913	1379686	9-61	2 305	22,600	3.43	776	10 16,750	3.62	606	1-69	25	776	-.03	23	39
35-70-0013	6426417	1383926	6-65	2 302	18,200	4.25	774	17 16,545	3.65	604	8-69	40	487	.11	33	40
35-70-0017	6562869	1383004	1-66	2 305	19,230	4.26	820	11 15,340	3.65	560	12-69	40	404	.18	41	45
35-70-0099	6334555	1236789	4-65	3 272	19,793	3.75	742	18 16,903	3.54	599	9-69	42	735	.03	31	45
35-70-0099	6439165	1236789	8-65	3 274	19,310	3.48	672	17 16,960	3.51	595	8-69	42	673	-.01	23	37
35-71-0008	6202405	1375016	10-64	3 305	17,856	3.38	603	12 13,416	3.68	494	6-69	34	787	-.06	20	37
35-71-0011	6738369	1386406	1-65	3 305	22,863	3.55	811	34 16,000	3.56	569	7-69	42	1,112	.01	41	63
35-71-0011	7033225	1474049	10-67	1 305	21,310	3.72	792	37 16,290	3.53	575	1-70	23	624	.02	26	38
35-71-0017	6300566	1383926	12-64	2 305	17,695	4.44	786	18 14,025	3.62	508	12-68	40	667	.13	43	53
35-71-0017	6905192	1478014	10-67	1 301	18,500	3.51	649	23 14,130	3.52	498	11-69	33	627	.02	25	37
35-71-0022	6495104	1375016	9-65	3 289	16,840	3.68	619	14 11,903	3.61	430	6-69	34	832	.00	30	46
35-71-0037	6396020	1357797	10-65	2 293	17,155	3.68	632	13 14,455	3.49	504	11-69	40	507	.12	35	42
35-71-0045	6879045	1471561	7-67	1 305	17,970	4.31	775	34 14,450	3.80	549	1-70	24	511	.07	29	37
35-71-0054	5057368	1242667	1-59	2 302	21,570	3.30	711	16 14,545	3.44	531	8-69	40	739	-.03	22	37
35-71-0057	5058910	1289907	10-59	7 304	20,290	3.35	680	10 15,015	3.60	541	5-69	36	947	-.06	25	45
35-71-0063	6335261	1386406	3-65	2 305	18,425	3.65	672	7 15,825	3.33	527	6-69	40	592	.05	28	39
35-71-0071	6973323	1397209	12-67	1 305	21,800	3.24	706	9 17,070	3.52	601	3-70	35	768	-.05	20	37
35-71-0072	6728590	1070036	11-66	1 305	22,660	3.80	860	22 14,760	3.83	565	1-69	36	903	.06	41	57
35-71-0072	6879775	1357797	8-67	1 305	19,410	3.64	706	9 15,040	3.88	583	8-69	35	579	.08	33	42
35-71-0110	5506184	1355376	2-62	3 305	18,777	3.69	693	20 14,703	3.86	568	3-70	41	730	-.03	22	37
35-72-0024	6412452	1306247	8-65	2 305	18,600	4.01	746	16 13,620	3.77	513	12-68	40	939	.02	37	55
35-72-0030	6454660	1306247	8-65	3 305	17,736	3.52	625	15 14,526	3.58	520	12-69	42	801	-.03	25	42
35-72-0042	5942100	1284364	8-63	5 304	20,826	3.63	755	16 15,362	3.82	587	2-70	44	852	-.05	24	42
35-72-0042	6599741	1306247	12-65	2 300	18,420	3.65	672	16 14,565	3.76	547	1-70	40	834	-.03	26	43
35-72-0042	6656047	1366229	10-66	2 302	18,735	3.96	742	12 14,340	3.77	541	2-70	40	519	.09	32	40
35-72-0048	6175129	1306247	12-64	2 291	21,435	3.38	724	11 16,660	3.64	607	3-69	40	949	-.06	26	46
35-73-0001	6197084	1428104	8-64	3 301	16,636	3.52	586	23 13,403	3.65	489	7-69	40	914	-.07	22	42
35-73-0001	6197085	1428104	10-64	3 301	16,873	3.85	649	35 15,023	3.65	548	11-68	40	768	-.03	23	39
35-73-0001	6197094	1314767	11-64	4 305	17,895	3.88	694	33 14,642	3.67	537	2-70	44	593	.06	30	40
35-73-0001	6220930	1428104	7-64	3 305	24,383	3.41	831	36 14,920	3.60	537	3-69	40	1,676	-.09	46	82
35-73-0001	6365877	1242221	7-65	2 305	18,935	3.37	638	31 14,105	3.66	516	7-69	38	1,182	-.04	37	61
35-73-0001	6791155	1242221	1-67	2 296	18,145	3.49	633	39 15,485	3.72	576	1-70	38	969	-.03	31	51
35-73-0001	6941031	1242221	8-67	1 272	16,270	3.58	583	28 14,530	3.74	543	10-69	34	860	-.01	29	46
41-01-0005	6284151	1330987	9-64	3 301	16,893	3.40	575	26 13,987	3.42	478	10-69	42	648	.02	27	39
41-01-0005	6805972	1261857	12-66	1 298	15,170	3.40	516	22 13,480	3.26	440	1-69	36	593	.07	31	41
41-01-0035	7059548	1261857	12-66	1 305	17,670	3.51	621	18 14,310	3.54	506	7-69	36	723	.06	35	48
41-02-0008	6987395	1387978	11-67	1 305	22,590	4.31	974	11 15,370	4.58	704	12-69	35	979	.00	36	55
41-02-0049	6848424	1365341	12-66	1 305	18,760	3.46	649	21 13,450	3.84	516	12-68	35	907	-.05	25	44
41-07-0012	5756250	1244845	11-62	5 305	18,480	3.61	668	19 14,558	3.61	525	10-69	44	726	-.03	22	37
41-07-0036	6175681	1311429	10-64	2 301	19,720	3.64	717	8 14,600	3.68	537	3-70	40	1,004	-.07	26	48
41-07-0036	6542347	1311429	12-65	2 305	20,740	3.40	706	19 14,800	3.62	536	10-69	40	1,089	-.10	25	49
41-07-9005	6411580	1422506	10-65	3 305	22,413	3.18	713	10 16,020	3.43	549	1-70	41	1,081	-.04	33	55
41-07-9029	6436190	1406271	10-65	3 305	18,183	3.67	668	19 15,816	3.67	580	12-69	42	711	.03	30	43
41-07-9096	6944951	1489693	10-67	1 305	24,060	3.67	884	8 16,810	3.74	629	10-69	19	716	.00	26	40
41-08-9010	5015701	1306661	11-59	8 301	19,962	3.77	752	10 16,631	3.58	596	1-69	43	628	.04	29	40
41-08-9010	5016806	1306661	12-59	7 305	20,777	3.99	829	5 15,270	3.75	572	1-69	43	899	.06	42	58
41-08-9010	5754834	1306661	10-62	6 300	23,478	3.18	747	11 17,326	3.62	628	2-70	43	1,013	-.08	25	47
41-08-9010	6256781	1436146	10-64	3 299	23,993	3.48	834	24 17,476	3.70	647	11-69	34	1,041	-.06	28	50
41-09-0006	6461891	1452345	8-65	1 305	17,650	3.78	668	27 14,850	3.59	533	9-69	31	714	.00	26	40
41-09-0053	5976100	1210507	9-63	5 299	22,470	3.37	757	23 17,834	3.73	665	10-69	43	1,067	-.14	18	43
41-09-9063	6110025	1313975	8-62	2 305	18,055	3.86	697	14 13,535	3.76	509	11-68	31	635	.04	29	41
41-09-9063	6475729	1377954	1-66	2 305	16,040	4.13	663	8 14,160	3.76	532	6-69	40	542	.07	29	38
41-10-0035	5910703	1408300	9-63	5 293	17,762	3.79	673	20 13,900	3.73	518	10-69	35	671	.03	29	41
41-10-0035	6711722	1408300	2-66	2 305	17,790	4.04	718	18 14,260	3.68	525	11-69	29	521	.08	30	38
41-10-0065	6523097	1271075	12-65	3 300	18,283	3.60	659	8 14,867	3.69	548	1-70	42	829	-.01	28	45
41-10-0082	6721500	1377954	9-66	2 293	16,080	4.28	688	25 14,210	3.90	554	10-69	40	541	.07	29	38
41-10-0082	6721503	1377954	10-66	2 301	18,675	3.92	732	25 14,210	3.90	554	10-69	40	805	.03	34	49
41-10-0082	6721506	1377954	10-66	2 305	19,525	3.87	755	15 14,660	3.81	558	3-70	40	850	.04	36	52
41-10-0082	6721507	1377954	11-66	2 305</												

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C REPT (%)	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS
41-10-9062	6701845	1417208	1-67	1 305	18,360	3.20	587	17 13,780	3.76	518	7-69	36	775	-.04	22	\$ 38
41-10-9062	6931464	1459098	7-67	1 305	17,900	3.26	583	22 13,850	3.84	532	9-69	32	1,038	-.09	24	47
41-10-9062	6931466	1459098	9-67	1 305	17,380	3.53	614	14 13,980	3.76	525	1-70	32	987	-.06	27	48
41-10-9068	5286079	1199324	12-60	6 305	17,590	3.68	647	12 15,293	3.66	560	11-69	44	761	-.01	26	41
41-10-9068	6047886	1199324	7-63	4 305	19,045	3.96	754	20 15,697	3.75	589	12-69	44	888	.03	36	53
41-10-9230	6400568	1330987	9-65	3 305	19,917	3.91	779	9 17,233	3.70	637	11-69	42	659	.07	34	45
41-10-9230	6400569	1417208	9-65	3 299	19,710	3.92	773	8 16,560	3.70	613	2-70	42	787	.04	35	49
41-10-9324	5609556	1199324	6-62	4 305	20,622	3.52	726	8 14,687	3.70	544	1-69	44	1,195	-.03	38	63
41-11-0027	6760706	1474740	11-66	1 305	20,720	3.46	716	8 14,450	3.42	494	9-69	24	1,186	-.05	35	60
41-13-0009	6488456	1190953	12-65	2 305	20,190	3.97	801	16 15,225	3.70	563	5-69	37	686	.07	35	47
41-13-0009	6889022	1383004	12-66	2 305	19,675	3.55	699	10 15,055	3.67	552	2-70	40	475	.09	30	37
41-14-0074	5921990	1380924	8-63	5 300	18,204	3.48	634	14 15,320	3.71	569	11-69	36	746	-.03	23	38
41-14-0074	6688008	1261857	9-66	2 296	18,000	3.76	676	16 15,850	3.67	581	11-69	40	679	.07	35	47
41-14-0074	6957404	1474740	10-67	1 295	19,350	3.26	631	24 15,550	3.73	580	12-69	24	976	-.10	21	43
41-14-0092	6766033	1365341	4-67	1 305	21,230	3.33	707	15 16,110	3.67	592	1-70	35	913	-.05	25	44
41-17-0036	6656462	1365341	11-66	2 305	18,470	3.71	685	18 15,165	3.62	549	12-69	40	828	-.01	29	46
41-19-0007	6439405	1311429	8-64	4 305	18,965	3.43	650	13 15,288	3.40	520	12-69	44	921	-.07	23	43
41-19-0110	7010517	1417208	10-67	1 173	16,290	3.88	632	19 13,670	3.58	489	12-69	8 36	628	.03	27	39
41-19-0206	6506417	1330987	8-64	4 302	20,500	3.30	676	26 15,448	3.63	560	10-69	44	948	-.02	31	50
41-19-0206	6506419	1330987	11-64	3 305	18,253	3.79	691	30 15,493	3.63	563	3-69	42	648	.06	32	43
41-19-0206	6506425	1398216	11-64	3 305	22,496	3.04	683	32 15,613	3.59	560	12-69	42	1,125	-.13	21	47
41-19-0206	6832178	1422506	9-66	2 300	21,255	3.45	733	27 15,680	3.45	541	10-69	39	916	.01	34	52
41-19-0206	6918403	1273756	12-65	2 301	16,790	3.73	627	31 14,770	3.39	500	8-69	40	548	.06	29	38
41-19-0206	6983371	1406271	3-66	2 305	17,835	3.08	550	32 15,195	3.42	520	10-69	40	712	-.02	23	38
41-19-0206	6983374	1422506	5-66	1 305	20,010	3.55	710	21 14,530	3.63	528	12-68	35	766	.01	29	44
41-19-0210	5489252	1199324	11-61	3 305	18,963	3.72	706	21 14,690	3.78	555	12-68	42	964	-.01	33	52
41-19-0210	5998225	1330987	11-63	4 305	17,178	4.37	751	22 14,985	3.74	560	10-69	44	589	.14	41	49
41-19-0210	6413707	1330987	7-65	2 304	18,045	3.74	675	21 15,330	3.68	564	7-69	8 40	613	.05	29	40
41-19-0210	6751867	1417208	12-66	2 299	18,865	3.95	746	16 15,825	3.84	608	11-69	40	736	.03	31	45
41-19-0210	6893366	1417208	5-67	1 305	19,880	3.31	659	19 15,160	3.62	549	6-69	36	795	-.02	25	41
41-19-0210	6893368	1417208	6-67	1 305	19,050	3.53	672	21 15,130	3.60	544	7-69	36	736	.00	27	42
41-19-9039	6018428	1248558	11-63	4 304	22,753	3.16	719	28 15,563	3.59	558	11-69	37	1,056	-.07	27	50
41-19-9039	6018430	1248558	1-64	3 305	23,090	3.48	804	31 16,130	3.56	575	11-69	35	968	-.01	34	53
41-19-9039	6525543	1330987	11-65	2 305	18,745	3.94	739	36 16,065	3.61	580	9-69	40	617	.08	34	44
41-19-9039	6720807	1330987	12-65	2 305	21,975	3.30	725	21 15,585	3.64	567	6-69	40	989	-.01	34	54
41-19-9059	6723427	1377954	12-66	2 305	15,750	4.07	641	19 14,055	3.61	507	2-70	40	522	.07	29	38
41-19-9064	5855592	1386406	4-63	3 303	17,506	4.50	788	30 13,883	3.60	500	10-69	42	715	.13	45	56
41-19-9064	5855593	1386406	4-63	3 305	18,390	4.12	757	23 14,120	3.65	515	11-69	42	792	.08	40	54
41-19-9064	6211154	1320094	2-64	3 300	23,260	3.97	924	29 13,636	3.75	511	9-69	33	1,310	.07	58	82
41-19-9064	6693381	1320094	7-66	1 305	21,520	3.95	851	29 15,550	3.75	583	8-69	24	573	.04	27	37
41-19-9064	6859977	1440632	7-67	1 305	24,280	3.55	863	37 16,340	3.72	608	10-69	19	777	-.01	26	42
41-19-9077	6635510	1261857	7-66	1 305	16,580	3.55	589	31 15,060	3.61	543	5-69	36	592	.06	30	40
41-19-9077	6690814	1261857	9-66	1 305	19,380	3.89	754	19 17,130	3.70	633	11-69	36	662	.08	36	47
41-19-9135	5812312	1274339	1-63	5 305	25,022	3.05	764	30 17,942	3.51	630	12-69	44	1,156	-.14	20	47
41-19-9135	6166681	1206797	9-64	2 305	21,575	3.66	789	20 17,825	3.64	649	11-68	40	653	.00	24	37
41-19-9135	6280281	1223243	1-65	3 305	26,960	3.29	886	26 18,263	3.55	649	5-69	42	1,334	-.07	38	66
41-19-9135	6430897	1311429	8-65	2 305	20,650	3.69	762	30 17,235	3.65	629	11-68	40	857	-.06	22	40
41-19-9135	6430899	1311429	9-65	2 305	23,460	3.20	751	29 17,585	3.66	643	1-69	40	1,111	-.13	20	45
41-19-9135	6885990	1236789	8-67	1 305	21,590	3.38	730	33 17,100	3.65	624	10-69	35	764	-.03	23	39
41-19-9135	7021237	1236789	8-67	1 305	20,090	3.87	777	37 17,250	3.59	620	1-70	35	641	.03	27	39
41-20-0005	6023269	1210507	12-63	4 297	18,000	3.35	603	38 13,790	3.70	510	9-69	42	941	-.12	16	38
41-20-0005	6450357	1365341	11-65	3 295	17,003	3.52	599	45 14,276	3.68	526	11-69	42	784	-.04	23	39
41-20-0006	6217442	1210507	10-64	3 305	19,160	3.46	663	14 14,980	3.68	551	9-69	41	922	-.10	18	39
41-20-0006	6450356	1365341	11-65	3 298	21,916	3.04	667	41 16,366	3.56	583	11-69	42	1,138	-.11	24	49
41-20-0006	6450358	1365341	11-65	2 298	18,325	3.74	686	39 16,140	3.59	579	10-69	40	724	.00	26	40
41-20-0009	6740468	1365341	9-66	1 305	18,080	3.89	703	49 15,080	3.76	567	3-69	35	745	-.01	26	41
41-20-0015	6505380	1370538	7-65	2 305	17,885	4.25	760	11 14,840	3.80	564	11-69	31	542	.11	35	43
41-20-0018	6612416	1441665	8-65	2 305	16,875	4.04	682	10 12,395	3.57	442	2-70	29	500	.08	30	38
41-20-0031	6840956	1365341	5-67	1 305	17,360	3.93	683	21 15,210	3.66	556	9-69	35	682	.00	25	38
41-20-9010	7162223	1365341	10-66	1 305	18,420	3.76	693	28 15,910	3.78	602	7-69	35	714	-.02	23	38
41-21-0006	6253070	1423371	11-64	4 296	20,557	3.80	781	18 15,132	3.97	601	12-69	35	927	-.03	29	48
41-21-0008	6913770	1239242	8-67	1 305	25,950	3.53	916	17 18,010	3.66	659	10-69	36	906	-.02	30	48
41-21-0008	6913771	1261857	8-67	1 305	20,630	3.42	705	14 18,770	3.59	674	8-69	36	645	.05	30	42
41-21-0017	6460765	1365341	11-65	3 297	17,790	3.59	639	18 13,976	3.74	523	9-69	42	908	-.04	27	46
41-21-0039	7128457	1386406	10-67	1 305	21,240	3.46	734	11 16,080	3.67	590	1-70	36	729	-.01	25	40
41-21-0084	6222685	1392585	8-64	3 303	19,683	3.68	725	9 15,080	3.81	575	10-69	32	797	-.02	26	42
41-21-0084	6876351	1330987	10-66	1 305	19,860	3.68	731	12 15,070	3.88	585	8-69	36	710	.03	30	43
41-22-0063	6878523	1459098	7-67	1 169	17,110	3.83	656	22 14,940	3.74	559	10-69	8 32	896	-.03	28	46
41-22-0118	6509043	1311429	9-65	3 305	19,177	3.00	576	16 14,083	3.64	512	3-70	42	1,048	-.16	14	39
41-22-0120	6137871	1106334	4-64	4 304	18,783	3.98	748	17 16,225	3.53	572	12-69	43	406	.13	33	38
41-22-0120	6224046	1329588	8-64	4 305	20,598	3.53	728	15 16,108	3.58	577	9-69	44	810	-.03	25	42
41-22-0120	6393248	1417208														

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8)	I N O E X..... FAT FAT (%) (L8)	..... OOL- LARS
41-24-9001	5564277	1189870	8-61	4 305 15,008 3.87 581	19 12,108 3.55 430	12-69	44	552 .05 27	\$ 37
41-25-0057	6336372	1330587	11-64	4 305 16,745 3.76 629	10 13,868 3.69 512	11-69	44	660 .05 31	43
41-25-0057	6540336	1330987	1-66	2 305 17,625 4.15 731	14 14,845 3.61 536	6-69	40	615 .10 37	47
41-25-0128	6351625	1417208	4-65	3 305 17,520 3.71 650	13 14,710 3.92 576	10-69	42	727 -.01 25	40
41-25-0128	6849609	1417208	10-66	2 299 17,715 4.10 727	21 15,480 3.90 604	12-69	40	651 .04 29	41
41-25-0128	6876345	1458744	10-66	2 305 17,135 3.90 669	23 15,365 3.92 602	11-69	40	719 .00 26	40
41-25-0148	6703994	1261857	8-66	2 301 16,685 4.17 696	22 15,075 3.79 571	10-69	40	617 .11 38	48
41-25-0156	6604426	1417208	3-66	2 300 19,420 3.21 624	8 15,265 3.79 578	12-69	40	843 -.06 21	39
41-25-0159	5522008	1199324	3-61	7 305 17,397 3.81 662	9 14,074 3.60 506	1-70	44	878 .02 35	52
41-25-0352	7025666	1458744	8-67	1 281 18,750 3.29 616	31 15,590 3.61 563	11-69	36	806 -.04 23	40
41-25-0359	6671828	1261857	7-66	2 305 15,400 4.13 636	17 12,855 3.70 476	7-69	40	689 .11 41	52
41-25-0385	6714232	1365341	6-66	2 305 18,355 3.64 669	33 15,470 3.48 538	11-69	40	788 .00 28	44
41-25-0392	6294415	1265694	12-64	3 305 22,040 3.53 777	19 15,350 3.88 596	11-69	42	1,115 -.11 24	49
41-25-9012	6521918	1347065	11-65	2 305 23,000 3.58 824	5 15,535 3.72 578	4-69	40	878 -.05 25	44
41-25-9012	6557270	1417208	12-65	2 305 17,810 4.31 767	8 16,205 3.51 569	6-69	40	594 .11 37	46
41-25-9012	6697544	1330987	7-66	2 305 18,730 3.71 695	18 15,485 3.53 547	11-69	40	669 .06 33	45
41-25-9012	6736783	1330987	9-66	2 294 18,630 3.61 673	16 15,565 3.53 550	12-69	40	651 .04 30	42
41-25-9012	6892926	1330987	5-67	1 287 20,530 3.57 732	12 15,380 3.37 518	9-69	36	739 .05 34	47
41-25-9142	5496909	1321709	9-61	5 304 18,982 3.37 639	10 14,310 3.73 534	4-69	36	854 -.08 19	38
41-26-0024	6637047	1458744	10-66	2 303 18,920 3.58 677	26 15,985 3.50 559	12-69	40	843 .00 30	47
41-26-0024	6637048	1458744	10-66	2 295 19,500 4.03 786	27 16,260 3.46 563	11-69	40	877 .06 41	57
41-26-0024	6665750	1458744	10-66	2 300 23,555 3.31 779	28 15,885 3.52 559	9-69	40	1,323 -.04 41	68
41-27-0046	6739401	1459098	1-67	2 302 16,745 3.30 552	14 14,820 3.48 515	3-70	36	884 -.07 22	41
41-27-0046	7009245	1459098	2-68	1 305 17,510 3.28 575	14 14,020 3.54 496	2-70	32	995 -.07 26	47
41-27-0238	6019293	1199324	12-63	4 285 17,180 3.73 641	14 14,055 3.71 521	9-69	44	841 .00 30	47
41-27-0238	6096566	1199324	7-64	3 292 15,486 3.61 559	15 13,510 3.59 485	3-69	42	687 -.01 23	37
41-27-0238	6805087	1236789	5-67	1 305 20,440 3.72 760	16 16,330 3.60 588	10-69	35	730 .01 28	42
41-27-0272	6364253	1330987	8-65	3 305 19,050 4.02 765	12 17,267 3.68 636	3-70	42	556 .09 33	42
41-27-0272	6976325	1417208	11-67	1 263 17,980 3.77 677	23 15,480 3.65 565	12-69	36	632 .02 26	38
41-30-0004	5975794	1210507	12-63	3 305 20,230 3.09 625	23 14,523 3.57 519	12-68	41	1,095 -.15 17	43
41-34-0001	6809247	1261857	11-66	2 305 18,035 3.96 714	34 15,505 3.63 563	2-70	40	714 .10 41	53
41-34-0128	6310963	1386406	3-65	2 295 17,580 3.76 661	21 13,700 3.46 474	10-69	40	701 .04 31	44
41-34-0146	5978464	1199324	10-63	2 299 17,105 3.37 577	14 13,655 3.53 482	7-69	40	827 -.03 25	42
41-34-0153	6712162	1311429	10-66	2 305 20,110 3.06 615	22 14,730 3.44 507	10-69	40	1,031 -.13 18	42
41-34-0153	6712164	1311429	11-66	2 305 19,755 2.95 583	22 14,710 3.47 511	12-69	40	997 -.14 15	38
41-34-9168	6587957	1406271	2-66	2 305 17,980 3.13 562	7 13,665 3.67 502	7-69	40	866 -.04 26	44
41-34-9168	7206901	1406271	1-67	1 305 17,840 3.45 616	9 15,210 3.36 511	2-70	36	664 .03 29	41
41-40-0005	6495665	1406271	9-65	3 305 17,593 3.93 691	18 15,660 3.63 569	9-69	42	659 .07 34	45
41-40-0005	6746481	1435833	9-66	1 305 20,570 3.88 799	22 15,440 3.72 575	9-69	26	696 .03 30	43
41-40-0053	6537073	1377954	12-65	2 305 19,295 3.48 672	8 15,720 3.62 569	7-69	40	730 .00 26	41
41-40-0054	6774251	1301864	10-66	2 305 18,385 3.85 707	11 13,970 3.71 518	11-69	40	615 .04 28	39
41-40-9041	5928622	1363393	7-63	4 301 19,070 3.62 690	55 14,427 3.71 535	3-70	41	996 -.03 31	52
41-40-9041	6085425	1422506	3-64	4 286 17,027 3.97 676	59 14,320 3.65 522	3-69	42	649 .06 32	43
41-40-9041	6347664	1430168	6-65	2 305 19,705 3.80 748	51 13,910 3.69 513	5-69	38	898 .00 32	50
41-40-9041	6519851	1353976	9-65	2 299 15,540 4.26 662	90 13,325 3.70 493	8-69	39	502 .10 32	40
41-40-9041	6850932	1459098	3-67	1 305 16,370 3.72 609	103 13,980 3.75 524	11-69	32	906 -.04 27	46
41-40-9041	6867651	1459098	2-67	1 305 17,090 3.47 593	87 12,930 3.70 478	8-69	32	1,039 -.06 29	51
41-40-9041	6963649	1459098	10-67	1 305 18,000 3.71 667	103 13,980 3.75 524	11-69	32	1,037 -.04 31	53
41-41-0023	6820295	1289574	3-66	2 305 21,605 3.55 766	8 14,360 3.59 515	6-69	40	785 -.02 26	42
41-42-0027	6113739	1329588	11-63	5 305 21,786 3.21 699	17 16,646 3.48 580	3-70	44	923 -.08 22	42
41-42-0027	6461104	1447461	3-65	3 305 22,003 3.39 746	34 16,513 3.39 559	10-69	32	799 -.02 26	42
41-45-0052	6548004	1311429	9-65	2 278 15,775 3.73 588	19 12,360 3.79 469	11-68	40	808 -.07 19	37
41-45-0052	6548006	1353976	11-65	3 305 15,963 3.88 619	16 12,533 3.78 474	11-69	41	654 .04 30	42
41-45-0052	6983350	1353976	10-67	1 305 16,370 3.98 652	14 12,010 3.91 469	11-69	35	617 .05 29	40
41-45-0100	5628494	1117834	11-61	4 305 19,013 3.77 716	9 13,445 3.64 489	12-68	43	716 .01 28	42
41-45-0108	7252906	1365341	11-67	1 305 19,360 3.40 659	8 15,220 3.78 575	11-69	35	832 -.05 22	40
41-45-0166	6698190	1291784	8-66	2 305 19,515 3.54 690	8 13,990 3.47 485	7-69	40	773 .02 31	46
41-45-0173	6676014	1383004	10-66	2 305 19,290 3.84 741	17 14,355 3.49 501	10-69	40	500 .15 39	45
41-45-0198	5940713	1354656	10-63	2 305 21,005 3.25 682	5 12,670 3.51 445	2-70	30	1,215 -.06 34	60
41-45-9006	5577405	1354656	1-62	3 305 17,820 3.68 656	8 13,767 3.53 486	3-69	33	767 .00 28	43
41-45-9006	5577406	1354656	3-62	4 299 17,140 3.32 569	13 13,040 3.44 448	10-68	35	799 -.05 22	39
41-46-0005	6464116	1450326	9-65	2 305 18,710 3.65 682	19 13,885 3.68 511	11-69	32	759 .00 28	43
41-46-0005	6724318	1450326	10-66	1 305 21,320 3.63 773	16 15,390 3.68 567	12-69	27	738 .00 27	42
41-46-0028	6467433	1365341	10-65	2 305 18,665 3.49 652	21 14,625 3.48 509	10-69	40	897 -.02 29	47
41-46-0046	6754953	1377954	12-66	2 303 18,745 3.54 664	11 15,590 3.58 558	1-70	40	686 .02 27	40
41-46-0198	6227776	1289574	11-64	4 295 20,445 3.45 706	20 13,847 3.56 493	12-69	44	857 -.03 27	45
41-46-0328	6281875	1418795	11-64	2 305 18,495 3.87 716	20 14,195 3.55 504	3-69	31	557 .09 33	42
41-46-9021	6860446	1365341	4-67	1 305 21,340 3.53 754	22 16,160 3.35 542	7-69	35	918 -.01 32	50
41-46-9021	6993555	1365341	9-67	1 305 21,980 3.14 690	25 18,040 3.41 616	1-70	35	838 -.06 22	40
41-46-9021	7037413	1458744	1-68	1 305 20,980 3.06 643	25 18,080 3.42 618	1-70	36	805 -.05 22	39
41-46-9022	5797194	1189870	3-63	3 277 18,383 3.81 700	20 14,097 3.67 518	11-69	42	716 .03 30	43
41-46-9022	6481492	010280987	2-63	4 305 18,488 3.74 692	16 13,860 3.78 524	12-69	30	702 .00 26	40
41-46-9022	7108764	1359626	9-66	1 305 23,550 3.81 897	25 14,820 3.79 562	12-69	35	785 -.02 26	42
41-46-9028	5457031	010246338	9-60	3 305 20,800 3.52 732	22 14,540 3.49 508	12-68	41	868 -.04 25	43
41-46-9034	6454692	1451014	9-65	2 305 20,295 4.24 860	13 17,980 3.82 686	9-69	31	466 .12 34	40
41-46-9034	6544465	1451014	9-65	2 305 20,885 4.00 835	11 17,250 3.92 677	7-69	31	612 .07 32	42
41-46-9035	6284578	1406271	12-64	3 305 17,683 3.29 581	18 14,230 3.27 466	12-69	42	817 .02 32	48
41-46-9035	6284579	1406271	1-65	3 300 17,630 3.75 661	24 15,326 3.20 491	12-69	42	698 .09 39	50
41-46-9035	6512894	1406271	12-65	2 305 17,120 3.21 550	17 15,130 3.32 502	10-69	40	645 .01 25	37
41-46-9035	6664496	1406271	7-66	1 305 18,140 3.31 600	30 15,070 3.22 485	10-68	36	696 .03 30	43
41-46-9035	6664500	1478202	9-66	2 299 20,475 3.51 719	22 15,260 3.35 511	12-69	30	780 .01 30	45
41-46-9035	6684384	1406271	8-66	1 305 22,200 3.33 740	28 15,590 3.25 506	12-68	36	963 .03 39	57
41-46-9056	6404413	1417222	7-65	3 305 21,936 3.90 855	13 16,196 3.56 576	12-69	33	895 .07 42	58
41-46-9090	4892222	1237441	9-58	8 305 17,298 4.10 710	11 13,311 3.59 478	2-70	36	666 .08 35	46
41-46-9172	6921111	1347940	8-67	1 305 19,000 3.22 611	14 15,950 3.67 586	12-69	36	812 -.05 22	39

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	COW MILK (LB)	I FAT (%)	N FAT (LB)	D FAT (LB)	E FAT (LB)	X FAT (LB)	DOL- LARS
41-46-9364	6617404	010270697	12-62	2	305	24,185	3.10	749	7	15,665	3.49	546	8-69	25	1,100	-.08	27			\$ 51	
41-47-0004	5951690	1210507	9-63	3	305	18,253	3.50	639	5	14,377	3.62	520	6-69	41	879	-.09	18			38	
41-47-0026	7054109	1474740	2-68	1	305	20,920	3.06	641	7	14,270	3.56	508	3-70	24	1,218	-.11	27			54	
41-47-0174	6667387	1330987	11-65	1	305	19,470	3.37	656	26	12,910	3.49	451	11-68	36	826	.02	33			49	
41-47-0174	6731953	1330987	2-66	2	305	17,865	3.25	580	18	11,430	3.64	416	8-69	40	951	-.01	33			52	
41-47-9056	6430826	1439249	9-65	2	305	22,465	3.56	800	16	16,620	3.48	579	2-70	25	774	.01	29			44	
41-48-0031	5707714	1365341	12-62	5	291	16,512	3.55	586	12	14,094	3.60	508	7-69	44	763	-.02	24			40	
41-48-0031	5773654	1365341	1-63	5	301	17,896	3.46	620	24	14,206	3.58	509	10-69	44	930	-.04	28			47	
41-48-0069	6848427	1365341	3-67	2	283	17,965	3.30	593	20	15,475	3.43	531	3-70	40	748	-.04	21			37	
41-48-0156	6988239	1365341	8-67	1	305	20,630	3.66	756	6	15,250	3.99	608	1-70	35	926	-.04	27			46	
41-48-9139	4926552	1299820	11-58	4	301	21,633	3.11	672	13	16,533	3.53	584	12-69	32	959	-.12	17			39	
41-49-0006	6957406	1474740	11-67	1	305	16,860	3.59	605	12	14,490	3.72	539	12-69	24	839	-.06	21			39	
41-49-0020	6693892	1261857	1-67	1	305	18,830	3.68	693	23	14,760	3.83	565	10-69	36	780	.05	36			50	
41-49-0053	6254089	1450326	11-64	3	305	21,270	3.67	781	14	16,133	3.69	596	3-69	35	893	.01	33			51	
41-49-0068	5727152	1242791	12-62	4	297	19,368	3.83	742	14	15,975	3.67	586	11-69	43	567	.06	29			39	
41-49-0068	6712838	1242221	9-65	2	296	19,830	3.61	716	24	17,870	3.55	635	9-69	38	921	.01	34			52	
41-49-0075	5975179	1366952	9-63	4	292	21,453	3.44	739	29	16,233	3.60	584	10-69	35	815	-.03	25			42	
41-49-9010	6562742	1411666	12-65	2	305	22,930	3.02	693	11	16,405	3.37	553	8-69	29	955	-.08	23			44	
41-49-9010	6619180	1411666	11-64	2	305	22,140	3.23	716	9	16,650	3.37	561	1-70	29	832	-.03	25			42	
41-50-9011	6037592	1222048	1-64	3	305	18,550	4.67	866	20	12,200	3.84	469	11-68	42	649	.22	55			62	
41-50-9011	6159703	1222048	12-63	4	305	16,740	4.19	701	21	12,258	3.86	473	12-69	44	474	.14	37			43	
41-52-0064	7184171	1458744	1-67	1	305	19,000	2.99	568	7	14,310	3.35	480	3-69	36	910	-.05	25			44	
41-52-0080	5828424	1283917	3-63	5	303	18,654	3.56	665	21	14,086	3.73	525	8-69	44	835	-.08	18			37	
41-52-0101	6960874	1311429	4-66	1	305	23,820	3.45	821	15	16,810	3.58	602	2-70	36	1,051	-.09	24			47	
41-52-0101	6960874	1314767	4-66	1	305	22,890	3.24	742	14	15,430	3.56	550	1-69	36	773	-.02	25			41	
41-52-0120	6996438	1363393	12-67	1	305	17,600	3.46	609	7	13,450	3.64	489	3-70	33	766	-.04	22			38	
41-52-9051	5495657	1328863	2-61	6	303	20,358	3.65	743	12	16,477	3.68	606	4-69	36	739	.00	27			42	
41-53-0070	6271434	1311429	5-64	3	304	17,433	3.54	617	6	13,423	3.67	493	9-69	42	916	-.08	21			41	
41-53-9013	5067154	1309948	4-60	7	305	19,341	3.76	728	14	15,722	3.66	576	11-69	43	716	.01	27			41	
41-53-9013	5815597	1391475	8-62	5	305	20,676	3.36	694	13	14,430	3.56	514	10-69	36	1,050	-.05	30			52	
41-54-0020	5031359	1304845	11-59	2	305	16,915	4.14	701	9	11,605	3.77	437	9-68	29	608	.08	33			43	
41-55-0092	6803522	1417208	8-66	1	305	16,260	3.59	584	16	12,170	3.57	435	7-69	36	726	.01	27			41	
41-55-0202	6796407	1330987	9-66	2	294	18,530	3.76	697	18	14,535	3.67	533	9-69	40	735	.05	34			47	
41-55-0394	6780297	1370538	4-66	2	305	19,135	3.09	591	19	12,655	3.67	465	9-69	31	918	-.05	26			45	
41-55-0394	6997476	1261857	9-67	1	305	15,650	3.61	565	31	13,190	3.57	471	10-69	36	648	.07	33			44	
41-55-0417	6448433	1447895	12-65	3	305	20,326	3.27	664	27	13,440	3.75	504	4-70	33	994	-.09	22			44	
41-55-9057	6544466	1451014	10-65	1	305	17,330	4.17	722	10	13,530	3.90	528	9-68	26	486	.08	29			37	
41-55-9070	5207019	1316468	8-60	4	305	16,975	3.56	604	9	12,210	3.72	454	5-69	35	744	-.03	23			38	
41-55-9160	6120686	1386406	8-64	3	305	15,900	4.02	639	13	13,700	3.66	501	11-69	42	549	.06	28			37	
41-55-9255	6116292	1210507	8-64	3	305	22,937	3.34	766	23	16,883	3.70	625	6-69	41	1,163	-.13	22			48	
41-55-9255	6516315	1481913	1-66	2	305	25,200	3.02	761	28	16,940	3.78	640	10-69	25	1,083	-.15	17			42	
41-56-0073	6154680	1391688	5-64	4	305	17,987	3.52	634	19	14,420	3.62	522	3-70	42	829	-.06	21			39	
41-56-0079	7045808	1311429	10-67	1	305	23,710	3.13	742	21	17,930	3.63	650	11-69	36	968	-.13	15			38	
41-56-0092	6829755	1320306	10-66	1	300	21,430	3.50	749	25	15,590	3.53	551	7-69	33	702	.01	27			41	
41-56-0153	6971699	1353976	9-67	1	305	18,500	4.15	767	12	14,110	3.68	519	2-70	35	635	.08	34			45	
41-56-0318	5437930	1380924	11-61	4	305	17,938	3.58	642	9	15,235	3.82	582	4-69	35	709	-.02	22			37	
41-56-0318	5686506	1380924	8-62	5	305	19,352	3.95	764	16	15,668	3.81	597	10-69	36	870	.05	39			55	
41-56-0318	5921989	1380924	8-63	5	305	18,078	3.70	668	22	15,408	3.80	585	11-69	36	715	.00	26			40	
41-56-0328	6746868	1365341	11-66	1	305	25,450	3.03	770	16	14,700	3.44	506	12-68	35	1,327	-.08	35			63	
41-56-0335	7088764	1330987	10-67	1	305	17,980	3.89	699	29	14,460	3.79	548	12-69	36	611	.05	30			41	
41-56-0342	5938373	1380924	8-63	3	305	18,137	3.86	700	14	14,923	3.63	542	2-70	33	751	.05	34			48	
41-56-0342	6608012	1268297	10-65	2	305	22,745	3.43	780	6	16,380	3.64	596	9-69	40	843	.02	34			50	
41-56-0361	7014887	1425440	4-66	1	305	20,160	3.48	702	10	11,890	3.60	428	3-69	25	756	-.02	24			40	
41-56-9244	6675401	1445073	11-66	1	305	19,290	3.72	717	39	14,170	3.55	503	11-69	26	605	.03	26			37	
41-58-0089	6443953	1452607	9-65	2	305	20,805	3.71	772	20	14,835	3.39	503	1-70	36	1,059	.03	42			62	
41-58-0089	6730110	1192713	9-66	1	305	18,040	4.17	753	25	15,870	3.38	537	9-69	36	564	.07	30			40	
41-58-0096	6940428	1261857	11-67	1	305	17,000	3.71	630	14	15,310	3.64	557	10-69	36	606	.07	32			42	
41-59-0067	6161016	1291784	9-64	4	305	19,733	3.80	749	5	15,805	3.63	574	1-70	43	710	.05	33			46	
41-60-0003	4675388	1218859	9-58	8	293	17,789	4.24	755	13	14,031	3.56	500	7-69	35	669	.13	43			53	
41-60-0003	6566867	1428809	4-66	2	298	19,795	3.56	704	15	15,320	3.49	534	9-69	39	577	.05	28			38	
41-60-9010	6067720	1199324	11-63	3	262	18,556	3.76	698	23	15,573	3.74	582	9-68	42	826	-.01	29			46	
41-60-9010	6706917	1365341	2-66	3	284	21,656	3.68	797	31	16,043	3.78	606	2-70	42	1,141	-.03	37			60	
41-60-9010	7021238	1236789	2-68	1	305	19,560	4.04	790	28	15,420	3.88	598	3-70	35	725	.03	30			44	
41-61-0058	5874396	1289574	1-63	3	305	23,466	3.47	815	9	17,933	3.59	643	10-69	42	726	-.03	22			37	
41-64-0102	5744425	1381770	1-63	4	305	19,597	3.48	681	9	13,852	3.65	505	12-69	41	1,040	-.06	28			50	
41																					

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (LB)	..OOL- LARS		
41-71-0002	5459758	1287090	7-61	6 305	22,658	3.63	823	12	16,878	3.58	604	6-69	44	658	.07	34	\$ 45
41-71-0002	6397091	1353976	11-65	2 305	23,090	3.67	848	15	19,125	3.54	677	6-69	39	743	.05	34	48
41-71-0002	6587959	1333706	3-66	2 305	25,275	3.26	825	17	17,435	3.52	613	9-69	38	1,198	-.09	30	56
41-71-0046	6352223	1423320	9-63	4 298	18,372	3.57	655	16	13,472	3.76	507	2-69	36	787	.01	30	45
41-72-0002	6694458	1467915	7-66	2 305	16,810	3.74	629	44	13,630	3.67	500	3-70	35	650	.04	29	41
41-72-0002	6927169	1261857	10-67	1 305	16,810	3.47	584	50	14,500	3.59	521	2-70	36	647	.05	31	43
41-72-0005	6606003	1311429	2-66	2 298	16,855	3.51	591	15	13,315	3.59	478	4-69	40	830	-.07	19	37
41-72-0015	5328514	1359915	3-61	4 300	20,960	3.55	745	25	16,423	3.71	609	12-69	30	728	-.02	23	38
41-72-0015	5577682	1375651	2-62	3 303	20,263	3.42	693	26	15,880	3.73	592	9-69	32	800	-.05	22	39
41-72-0017	7011766	1261857	10-67	1 305	16,820	4.17	701	11	14,480	3.69	535	9-69	36	649	.11	39	49
41-72-0029	6903944	1417208	12-65	2 305	15,960	3.61	576	14	13,555	3.66	496	7-69	40	648	.00	24	37
41-72-0122	6917786	1261857	1-67	1 305	19,100	4.21	804	16	13,690	3.82	523	5-69	36	871	.11	47	62
41-72-0144	6965418	1261857	8-67	1 305	22,650	3.96	898	15	17,650	3.63	640	9-69	36	870	.11	47	62
41-72-0180	6810286	1311429	8-66	1 305	19,330	3.57	690	14	13,090	3.58	469	10-69	36	966	-.08	23	44
41-72-9042	6238186	1423320	8-64	4 293	19,925	3.71	739	6	15,582	3.68	574	11-69	36	739	.04	33	47
41-72-9042	6238187	1423320	9-64	4 304	23,305	3.74	872	6	16,080	3.77	606	12-69	36	1,149	.04	48	70
41-72-9042	6721698	1423320	9-66	2 302	19,425	3.94	765	5	14,960	3.73	558	11-69	32	641	.07	34	45
41-72-9078	6662843	1422506	9-65	3 298	18,843	3.55	668	17	15,393	3.66	564	10-69	41	729	.00	26	40
41-72-9078	6667382	1237057	3-66	2 304	19,230	3.53	678	12	14,575	3.50	510	6-69	40	776	-.04	22	38
41-73-0055	5933219	1395826	9-63	4 305	20,257	3.30	669	12	15,215	3.60	548	8-69	37	887	-.09	19	39
41-73-0096	6110344	1259069	4-64	3 295	20,840	3.49	728	26	14,670	3.64	534	12-69	42	869	-.05	24	42
41-73-0122	6317366	1396740	1-65	3 305	19,183	3.90	749	8	16,433	3.68	604	9-69	39	574	.09	34	43
41-73-0122	6568729	1396740	1-66	2 305	19,990	4.18	836	9	16,795	3.66	615	12-69	36	590	.13	40	49
41-73-0122	6770458	1261857	12-66	1 305	20,240	3.58	724	24	17,680	3.88	686	9-69	36	689	.04	30	43
41-73-0336	6957405	1474740	11-67	1 305	23,830	3.21	765	14	16,040	3.68	590	12-69	24	1,335	-.11	32	61
41-73-9045	6218227	1329588	9-64	3 305	21,823	3.42	746	22	17,247	3.71	640	3-69	42	798	-.06	20	37
41-73-9196	5979465	1419265	7-63	4 305	18,642	4.58	853	10	15,105	3.91	590	1-69	42	501	.12	35	42
41-73-9196	6478564	1450326	2-65	3 305	18,726	3.82	716	19	14,683	3.87	568	10-69	35	731	.01	28	42
41-73-9327	5840014	1386406	7-63	3 305	16,530	4.04	667	29	14,246	3.71	528	9-69	42	565	.06	29	39
41-73-9327	6651367	1290716	6-66	2 300	19,265	3.66	706	28	14,920	3.71	553	11-69	40	618	.09	35	45
41-74-0047	6986691	1261857	9-67	1 305	15,030	3.69	554	46	13,060	3.64	476	9-69	36	610	.07	32	42
41-74-0065	5690928	1199324	8-62	6 295	18,856	3.56	672	21	13,970	3.66	512	10-69	44	1,078	-.03	35	57
41-74-0099	6811974	1261857	1-67	1 305	17,250	3.70	639	22	15,300	3.52	539	12-69	36	626	.08	34	44
41-74-9033	6211048	1435835	9-64	3 305	18,980	3.90	741	5	14,670	3.87	568	6-69	33	708	.01	27	41
41-74-9051	5853765	1010936	2-63	3 305	17,777	4.20	747	42	15,083	3.56	537	12-68	42	506	.11	34	41
41-74-9051	6035686	1365341	9-63	4 305	20,377	3.32	677	30	15,192	3.52	534	1-70	43	1,113	-.05	32	55
41-74-9051	6362406	1242221	5-65	3 305	17,877	3.40	607	38	14,470	3.56	515	11-69	41	1,061	-.03	34	56
41-74-9051	6543247	1242221	7-65	2 305	18,340	3.62	663	43	15,770	3.53	556	12-68	38	963	.01	36	55
41-74-9051	6710163	1381970	8-66	2 305	21,880	3.29	719	25	14,625	3.69	539	2-70	29	885	-.07	22	41
41-74-9051	6726009	1458744	1-67	1 305	17,510	3.84	673	22	14,630	3.64	532	5-69	36	778	.01	29	44
41-74-9138	5941246	1237057	9-63	4 292	19,120	3.32	634	7	13,323	3.77	502	8-69	44	988	-.10	21	43
41-74-9143	6225388	1435825	12-64	4 295	22,615	3.58	809	8	16,587	3.53	585	10-69	32	1,090	.00	40	61
41-74-9143	6450659	1277653	7-65	3 302	20,520	3.93	807	8	16,107	3.55	571	9-69	42	580	.06	29	39
41-74-9143	6744904	1331709	10-66	2 303	20,245	3.70	749	7	16,560	3.45	571	3-70	40	671	.00	24	37
41-75-9002	6168978	1268294	11-64	3 303	20,017	3.64	728	28	14,777	3.69	546	2-70	42	859	-.03	26	44
41-75-9002	6433352	1236789	12-65	3 302	17,356	4.08	708	28	14,773	3.62	535	2-70	42	675	.06	33	45
41-75-9002	6833599	1236789	3-67	1 305	16,380	4.15	680	23	14,560	3.45	502	3-69	35	543	.06	28	37
41-75-9002	6833602	1236789	3-67	1 305	17,600	4.20	740	19	14,060	3.49	491	4-69	35	669	.06	33	45
41-75-9002	7011062	1377052	12-67	1 285	21,000	3.54	743	27	14,710	3.76	553	2-70	35	681	-.01	23	37
41-75-9002	7011064	1386406	11-67	1 305	17,900	3.83	686	34	13,830	3.89	538	11-69	36	631	.02	25	37
41-77-0024	6780617	1377954	9-66	2 305	16,800	3.65	614	12	14,535	3.45	502	2-70	40	585	.04	27	38
41-77-0050	7055064	1386406	3-68	1 305	20,710	3.76	778	8	15,970	3.64	581	3-70	36	697	.03	29	42
41-77-0051	6462366	1443161	10-65	2 305	20,155	3.92	791	14	15,430	3.67	566	5-69	36	859	.05	38	54
41-77-0051	6543592	1441026	9-65	2 292	17,480	3.56	623	16	14,525	3.65	530	12-69	36	849	-.05	23	41
41-77-0051	6760705	1474740	10-66	1 305	20,490	3.37	691	14	14,740	3.81	562	7-69	24	1,142	-.09	27	52
41-77-0097	6665088	1311429	9-66	2 305	18,075	3.63	657	7	14,790	3.59	531	10-69	40	819	-.06	20	38
41-77-0130	6802102	1474740	12-66	1 305	22,300	3.79	845	7	15,640	3.56	557	12-69	24	1,231	-.02	41	66
41-79-9141	5766257	1400145	3-63	3 305	19,117	3.75	716	14	15,310	3.70	566	3-69	31	637	.01	25	37
41-82-0059	6509308	1330987	2-66	2 305	17,830	3.53	629	9	15,085	3.70	558	9-69	40	614	.02	25	37
41-82-0105	5230089	1242791	11-60	6 304	17,858	3.82	683	16	13,910	3.75	521	3-69	44	633	.05	30	41
41-82-0105	7012308	1365341	10-67	1 305	19,420	3.82	741	15	16,170	3.82	618	12-69	35	772	-.02	25	41
41-82-0175	6718773	1329588	12-66	1 305	18,720	3.20	599	8	10,560	3.26	344	2-70	36	840	-.04	24	42
41-82-9036	6627940	1273756	1-66	2 305	18,735	3.68	690	31	15,180	3.83	582	6-69	40	708	.02	28	42
41-82-9090	6588125	1406271	12-65	3 302	18,303	3.56	651	18	16,083	3.79	609	12-69	42	697	.00	25	39
41-82-9118	6829192	1261857	11-66	1 305	17,880	3.72	666	17	14,050	3.81	536	11-68	36	756	.06	36	49
41-82-9118	6829193	1261857	4-67	1 305	19,520	3.58	698	12	15,350	3.70	568	7-69	36	791	.05	36	50
41-83-0069	6551051	1347065	2-65	3 305	19,883	3.75	745	21	12,620	3.82	482	12-69	42	921	-.03	29	48
41-83-0121	7286036	1391688	9-67	1 305	20,040	3.65	731	9	13,830	3.74	517	10-69	35	896	-.06	23	42
41-83-9020	5805886	1386913	4-63	5 305	17,938	3.85	691	10	13,924	3.91	544	12-69	34	704	.01	27	41
41-83-9020	6089180	1386913	6-64	3 305	17,887	3.79	678	8	13,240	3.91	518	8-69	31	727	.00		

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION				HERDMATE AVERAGES				LAST CALV MO-YR	T C D	.....C O W REPT (%)	I N D E X..... MILK (LBS)	FAT (%)	FAT (LBS)	..... OOL- LARS
				RECS	OAYS	MILK (LBS)	FAT (%)	FAT (LBS)	NO.	MILK (LBS)	FAT (%)	FAT (LBS)						
41-85-9076	6777004	1383044	9-66	1	305	20,510	3.92	803	37	13,900	3.66	509	3-69	19	628	.04	28	\$ 40
41-85-9137	6715610	1278644	1-67	2	293	21,675	3.63	786	19	16,800	3.76	631	12-69	40	902	-.06	23	42
41-85-9223	6599457	1261857	6-66	1	305	18,780	3.95	741	26	14,350	3.89	558	11-68	36	803	.07	40	54
41-85-9223	6674781	1222994	7-66	2	304	20,750	3.56	739	20	16,150	3.91	632	2-70	40	791	-.04	23	40
41-85-9223	6674783	1261857	8-66	2	305	18,215	4.53	826	18	16,280	3.84	625	2-70	40	662	.15	46	55
41-85-9223	6763837	1261857	12-66	1	305	18,070	3.64	658	22	13,880	3.79	526	7-69	36	782	.05	36	50
41-86-0013	6876588	1459098	2-67	1	299	15,210	3.37	513	9	12,680	3.79	481	8-69	32	907	-.07	22	42
41-86-0085	7065436	1261857	9-67	1	305	17,750	4.07	723	16	16,240	3.79	616	2-70	36	600	.09	35	45
41-87-0038	6710617	1311429	10-66	2	305	21,555	3.86	831	23	17,195	3.75	645	12-69	40	953	-.04	28	48
41-87-9038	6138232	1289589	6-63	4	305	21,970	3.61	794	22	16,075	3.76	605	9-69	44	762	.00	27	42
41-87-9055	5586166	1285912	6-60	6	301	24,588	3.54	870	25	16,695	3.40	567	9-69	32	1,295	.01	49	74
41-87-9055	5849084	1337647	12-62	3	305	22,550	3.71	836	31	17,050	3.48	594	1-70	41	677	.04	30	42
41-87-9055	5920013	1330587	10-63	2	305	18,955	3.70	702	30	17,065	3.47	593	1-69	40	547	.06	29	38
41-87-9055	5920014	1330987	10-63	3	298	22,417	3.46	775	23	18,170	3.46	628	12-68	42	850	.03	35	51
41-87-9055	6063921	1199324	3-64	3	305	19,486	3.35	653	21	17,453	3.43	599	2-69	42	738	-.03	22	37
41-87-9055	6095034	1199324	4-64	4	303	20,402	3.54	723	16	18,095	3.48	630	2-69	44	789	.00	28	44
42-03-0136	6554574	1417208	10-64	3	303	17,186	4.38	752	19	15,650	3.53	553	12-68	42	591	.12	39	48
42-03-0138	5541929	1165945	10-61	4	305	19,400	3.89	755	17	15,428	3.58	552	10-68	43	474	.10	31	38
42-03-9055	5794995	1199324	2-63	5	301	18,886	3.62	684	11	14,758	3.72	549	1-70	44	990	-.02	32	52
42-03-9055	6740254	1242221	10-66	2	305	18,885	3.18	601	17	15,075	3.81	574	10-69	38	1,085	-.08	27	51
42-03-9056	5905582	1314767	5-63	5	303	20,936	3.14	657	21	15,646	3.54	554	1-70	44	885	-.05	24	43
42-03-9056	5994183	1407165	10-63	3	305	22,097	3.53	780	19	15,300	3.57	546	6-69	29	988	-.01	34	54
42-05-0005	6467919	1359626	9-65	3	305	22,537	3.41	769	7	15,947	3.55	566	1-70	42	899	-.05	25	44
42-06-0097	6180302	1291498	10-64	4	305	22,363	3.40	760	5	17,195	3.55	610	3-70	44	828	-.05	22	40
42-07-0059	6678285	1458744	12-66	2	305	19,530	3.74	730	12	14,195	3.92	557	12-69	40	1,069	-.02	36	58
42-07-0097	6356866	1452345	8-65	3	305	18,736	3.74	700	22	16,226	3.87	628	10-69	38	772	-.03	24	40
42-07-0097	6604530	1458744	5-66	2	305	19,030	3.69	702	26	16,600	3.78	628	8-69	40	798	-.01	27	43
42-07-0097	6604533	1461578	5-66	2	305	20,135	4.19	844	23	16,525	3.82	631	9-69	35	603	.10	36	46
42-07-0097	6721289	1475732	10-66	2	305	21,275	3.88	826	26	16,295	3.87	631	10-69	34	896	.00	33	51
42-07-0097	6990839	1365341	1-68	1	305	21,810	3.60	786	24	16,610	3.52	584	2-70	35	923	-.02	31	50
42-07-0097	7189300	1475732	10-66	1	305	20,770	3.92	815	26	16,790	3.86	648	12-68	29	690	.00	25	39
42-07-0104	6442467	1271075	9-65	2	305	19,185	3.85	738	7	14,250	4.27	608	10-68	40	941	-.03	30	49
42-07-0104	6442468	1271075	12-65	2	305	20,245	4.03	816	7	16,000	4.08	652	1-69	40	888	.01	34	51
42-07-0104	6465466	1271075	8-65	2	305	18,370	4.00	734	8	15,960	4.11	656	3-69	40	701	.00	25	39
42-07-0104	6677292	1271075	7-66	1	305	19,570	3.87	757	5	14,070	4.40	619	10-68	35	879	-.03	28	46
42-07-9006	5213342	1179372	11-60	3	298	19,230	3.87	745	9	16,097	3.76	606	3-69	42	598	.04	27	38
42-07-9006	5220627	1302240	11-60	7	304	18,677	3.74	699	13	14,559	3.64	530	7-69	34	775	.02	31	46
42-08-0015	6898471	1406271	12-66	1	305	21,520	3.35	721	21	17,110	3.49	597	1-69	36	811	.01	31	47
42-08-0030	6547798	1237057	11-65	2	305	19,385	3.92	759	17	15,445	3.78	584	3-69	40	712	-.01	24	38
42-08-9031	5899799	1408863	8-63	3	297	24,127	3.00	723	48	17,040	3.43	584	10-68	32	1,127	-.12	23	48
42-08-9031	6853037	1347940	7-67	1	305	20,650	3.03	625	23	15,690	3.13	491	3-70	36	952	-.03	30	50
42-09-0067	5439315	1179372	6-61	5	292	18,736	3.51	658	32	14,418	3.58	516	12-68	44	768	.00	27	42
42-09-0075	6997477	1261857	10-67	1	305	16,570	3.61	598	7	13,690	3.57	489	9-69	36	683	.06	34	46
42-11-9003	6494142	1450228	3-66	2	305	16,700	3.75	627	11	13,530	3.81	516	12-69	37	982	-.03	31	51
42-12-0035	5722281	1249430	11-62	3	305	19,330	3.43	663	7	12,747	3.62	461	12-69	42	845	-.02	28	45
42-12-9010	6342669	1417208	3-65	3	305	18,606	3.82	710	7	14,726	3.67	541	6-69	42	850	.03	35	51
42-12-9010	7109790	1389515	10-67	1	305	23,460	3.13	734	6	14,020	3.67	514	3-70	32	1,071	-.11	22	46
42-15-0039	6984251	1365341	11-67	1	305	16,680	3.76	628	7	14,090	3.84	541	11-69	35	706	-.02	22	37
42-15-9002	6787641	1303180	9-66	2	299	16,880	3.90	658	25	11,950	3.87	463	7-69	31	676	.02	28	41
42-15-9006	6756967	1366152	9-66	2	294	22,975	3.39	779	60	15,335	3.90	598	11-69	39	952	-.05	27	47
42-16-9062	6602350	1242221	4-66	2	305	15,575	3.75	584	11	13,930	3.72	518	3-70	38	847	.00	31	48
42-18-0017	6821053	1261857	4-67	2	296	17,720	3.63	643	8	16,070	3.67	589	4-70	40	631	.06	31	42
42-18-0017	7052049	1261857	3-67	1	305	17,320	3.57	618	9	15,490	3.62	561	5-69	36	618	.06	31	42
42-18-0019	6575698	1261857	4-66	1	305	17,570	3.95	694	15	13,430	3.71	498	10-68	36	775	.09	41	54
42-19-0072	6373159	1314767	7-65	3	305	19,290	3.57	688	27	14,746	3.66	540	12-69	42	719	.01	27	41
42-19-9006	5948785	1210507	9-63	4	305	19,360	3.37	653	10	15,445	3.68	569	12-69	42	924	-.12	16	37
42-22-0040	7049181	1314767	12-67	1	305	21,140	3.46	732	11	14,930	3.56	531	3-70	36	676	.01	26	39
42-22-0052	6734478	1314767	7-66	2	302	18,540	3.99	739	23	14,190	3.86	548	11-69	40	637	.05	30	41
42-22-0176	6525006	1343798	12-65	2	305	19,420	2.96	574	7	12,010	3.59	431	12-69	40	640	.01	24	37
42-22-0244	6193850	1179372	12-63	3	305	16,207	5.29	857	25	14,093	3.90	549	11-69	42	458	.20	45	49
42-22-9019	6506671	1443829	11-65	3	305	20,396	4.56	931	21	16,560	3.74	619	11-69	33	789	.16	52	64
42-22-9019	6506672	1443829	11-65	3	296	18,836	3.96	746	19	16,293	3.66	597	12-69	33	613	.05	30	41
42-22-9019	6725818	1443829	9-66	1	305	22,310	3.92	875	14	16,790	3.67	617	9-69	24	789	.04	34	49
42-22-9067	5435748	1271147	9-61	4	305	20,133	3.57	719	6	14,085	3.72	524	6-69	36	1,054	-.03	34	56
42-22-9207	6482639	1425515	1-64	3	305	19,897	3.97	789	9	16,587	3.50	581	7-69	29	510	.09	31	39
42-25-9001	5339659	1179372	9-60	6	305	17,998	3.66	659	16	13,012	3.57	465	12-68	44	836	.02	33	49
42-25-9001	6046431	1179372	5-63	4	305	17,425	3.56	621	19	13,258	3.60	477	3-70	44	714	.00	26	40
42-25-9001	6281314	1432086	10-64	3	305	19,853	3.46											

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C REPT	.....C O W MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	..... OOL- LARS
42-33-0012	6617708	1415636	9-65	2 305 18,345	3.79	695	16 13,930	3.50	488	3-69	30	558	.05	27	\$ 37
42-33-0075	5738890	1199324	11-62	5 304 21,966	3.41	750	21 15,592	3.66	570	2-69	44	1,291	-.06	38	65
42-33-0075	6225043	1413906	10-64	4 300 21,610	3.90	843	25 16,055	3.63	582	10-69	34	858	.07	41	56
42-33-0077	6696518	1471359	9-66	2 295 19,685	3.85	757	16 15,180	3.85	584	9-69	29	669	.02	27	40
42-33-0091	6389724	1237057	8-64	4 300 19,223	3.52	677	30 14,320	3.73	534	10-69	44	890	-.06	23	42
42-33-0187	7055206	1498804	8-67	1 305 23,110	3.58	827	16 16,590	3.59	596	1-70	23	834	.00	30	47
42-33-0216	6844561	1237057	8-66	2 299 15,115	4.15	628	11 11,350	3.59	407	3-70	40	653	.02	27	39
42-33-0261	6690947	1417208	12-66	2 298 17,250	3.69	636	6 13,450	3.48	468	1-70	40	789	.02	32	47
42-33-0272	4799569	1273213	12-58	5 305 17,686	4.00	707	7 14,526	3.86	561	4-69	37	618	.03	27	38
42-33-0300	6828649	1314767	12-65	2 305 18,080	3.56	644	19 13,800	3.56	491	8-69	40	626	.02	26	38
42-33-0319	6581489	1476170	7-66	2 305 17,855	3.71	662	6 15,520	3.55	551	1-70	34	625	.02	25	37
42-33-0326	6980450	1261857	9-66	2 305 15,915	3.68	586	16 13,400	3.61	484	1-70	40	692	.07	35	47
42-33-0357	6574853	1237057	10-65	3 305 18,927	3.63	687	7 14,293	3.61	516	3-70	42	824	-.03	25	42
42-33-0357	6720367	1237057	9-66	2 305 18,955	3.84	728	6 14,210	3.69	524	3-70	40	781	-.01	26	42
42-33-0368	5045876	1242008	1-60	5 305 21,156	3.40	719	13 16,158	3.65	589	8-69	36	907	-.09	20	40
42-33-9237	6728770	1430733	7-66	2 303 19,400	4.12	800	21 14,245	4.06	579	1-70	28	794	.03	33	48
42-33-9251	6372291	1237057	12-64	3 305 21,523	3.56	766	17 15,020	3.51	527	11-69	42	1,047	-.03	33	55
42-34-0030	6555316	1242221	4-66	2 305 16,910	3.76	636	10 14,520	4.02	583	9-69	38	931	-.02	30	49
42-34-0030	6820520	1478014	5-67	1 305 17,250	4.22	728	6 12,550	3.89	488	9-69	33	641	.06	32	43
42-35-0045	6576518	1417208	9-65	2 305 20,610	4.19	863	7 16,880	3.58	605	3-69	40	817	.09	43	57
42-35-0050	6466467	1330987	8-65	2 305 18,810	3.22	605	15 15,130	3.63	549	7-69	40	709	-.02	23	37
42-35-9027	6784904	1448475	8-65	3 305 20,496	3.43	703	31 13,936	3.67	511	1-70	32	1,167	-.05	35	59
42-35-9027	6784910	1448475	3-66	2 298 16,865	3.66	617	26 13,555	3.65	495	9-69	29	680	-.01	23	37
42-35-9027	6784911	1448475	4-66	2 305 18,655	3.53	658	29 14,055	3.59	505	12-69	29	842	-.02	27	44
42-35-9027	6784915	1448475	9-66	2 305 20,465	3.80	777	30 13,980	3.62	506	11-69	29	1,069	.02	42	63
42-35-9027	6784916	1448475	10-66	2 303 21,920	3.24	711	32 14,180	3.58	508	12-69	29	1,224	-.07	33	59
42-35-9027	6784918	1448475	10-66	2 305 20,070	3.35	673	32 14,180	3.58	508	12-69	29	1,000	-.05	29	50
42-35-9027	6784919	1448475	11-66	2 291 18,490	3.37	623	32 14,180	3.58	508	12-69	29	809	-.04	23	40
42-36-9003	6629458	1261857	10-66	2 304 18,515	3.54	656	40 14,155	3.60	509	8-69	40	886	.05	40	56
42-36-9003	6715854	1261857	12-66	1 305 17,950	3.93	705	14 14,670	3.63	533	4-69	36	720	.09	39	51
42-38-0088	6402729	1406271	8-65	3 298 23,786	3.08	732	14 17,286	3.51	607	3-70	42	1,203	-.06	35	60
42-38-0088	6616269	1406271	8-66	1 305 20,650	3.65	754	16 16,160	3.68	594	9-68	36	810	.03	34	49
42-38-0096	6017458	1420516	11-63	3 267 16,420	3.96	651	5 13,213	3.62	478	6-69	31	524	.06	28	37
42-38-9029	6591936	1386406	5-66	1 305 19,450	3.62	704	18 14,750	3.63	535	10-68	36	685	.01	26	39
42-38-9065	7005064	1386406	2-68	1 305 22,160	3.67	814	5 16,070	3.77	606	4-70	36	798	.01	30	46
42-39-9011	5634804	1365140	9-62	4 305 20,613	3.26	673	6 14,678	3.39	498	2-69	33	991	-.06	27	48
42-39-9025	4856325	1073461	3-59	7 305 19,953	3.77	752	5 15,307	3.47	531	9-69	44	755	.06	36	49
42-39-9026	5652454	1340669	8-62	4 295 18,960	3.42	648	7 13,510	3.62	489	2-69	44	912	-.10	18	39
42-39-9026	6473105	1386406	12-64	3 305 20,750	3.39	703	10 15,016	3.56	535	9-69	42	971	-.02	32	52
42-39-9026	6473107	1276654	10-65	2 305 21,405	3.38	724	5 14,180	3.55	503	7-69	40	881	-.03	27	45
42-40-0009	6079773	1391902	12-63	4 304 17,935	4.14	743	8 15,652	3.62	566	4-70	35	591	.07	32	42
42-40-0009	6469022	1391902	5-65	2 305 20,870	3.55	741	5 16,275	3.75	611	11-68	31	827	-.05	23	41
42-40-0026	6332713	1429011	1-65	4 305 20,442	3.55	726	6 15,390	3.69	568	11-69	35	895	-.04	26	45
42-40-0026	7038931	1261857	6-67	1 305 18,820	4.44	836	5 15,840	3.56	564	10-69	36	706	.15	47	57
42-41-0037	6414318	1453282	9-65	3 282 19,193	3.34	642	12 14,223	3.63	517	1-70	31	844	-.06	22	40
42-41-0037	6809320	1453282	2-66	2 305 18,965	3.68	698	17 14,810	3.61	535	12-69	28	677	.00	25	38
42-41-9008	6196935	1413613	6-64	4 303 20,418	3.71	758	12 15,463	3.51	543	1-70	32	821	.04	35	50
42-41-9059	7250124	1476170	6-67	1 305 23,140	3.63	839	10 15,750	3.49	550	11-69	28	1,003	.01	37	57
42-45-0008	6770748	1242221	11-66	1 289 17,910	3.70	663	30 14,830	3.77	538	4-70	34	1,004	.00	36	56
42-45-0032	6021783	1199324	12-63	3 300 18,633	3.82	711	8 15,833	3.67	581	9-69	42	808	.01	31	47
42-46-9049	6824240	1458744	2-67	1 305 19,850	3.80	755	22 13,270	3.54	470	1-69	36	1,043	.02	40	60
42-46-9049	6824241	1458744	3-67	1 305 18,770	3.84	721	17 13,490	3.49	471	3-69	36	948	.02	37	55
42-47-0008	6876248	1070036	10-65	3 302 15,907	3.87	615	8 12,257	3.83	469	9-69	42	681	.06	34	46
42-48-0022	6760979	1330987	1-67	2 305 15,890	4.10	652	8 12,910	3.73	482	4-70	40	616	.08	34	44
42-48-0065	6433354	1236789	12-65	2 265 17,805	3.76	670	16 14,075	3.69	520	2-69	40	758	.01	29	44
42-48-9009	6013412	1347112	12-63	5 302 19,448	4.14	806	16 14,956	3.60	539	1-70	44	659	.11	40	50
42-48-9009	6160610	1382939	7-64	3 304 19,706	4.09	806	27 14,983	3.70	554	3-70	38	638	.05	30	41
42-49-0037	6712099	1377954	12-66	2 305 19,275	3.37	649	21 14,140	3.40	481	3-70	40	872	.00	32	49
42-49-9004	6800536	1360676	4-67	1 305 17,350	3.91	678	12 14,820	3.57	529	10-69	34	672	.04	30	42
42-50-0055	6106808	1362033	7-64	3 305 21,726	3.13	679	37 15,270	3.44	525	12-68	34	1,041	-.08	26	49
42-53-0013	6983944	1478014	1-68	1 305 16,500	4.10	676	13 13,360	3.54	473	11-69	33	524	.07	29	38
42-53-9064	5259527	1315612	11-60	3 305 21,637	4.13	893	9 15,273	3.90	595	7-69	42	740	.07	37	50
42-53-9069	5609182	1085978	1-62	4 305 18,418	3.45	636	30 14,630	3.57	522	11-68	44	904	-.04	27	46
42-54-9003	4963675	1305005	9-59	7 305 20,019	2.98	596	15 12,577	3.49	439	7-69	36	1,121	-.10	26	51
42-55-0025	6322793	1199324	7-63	4 302 17,315	3.38	585	18 14,095	3.54	499	9-69	44	853	-.04	25	43
42-56-0027	4963478	1019538	7-59	7 300 17,690	3.97	702	22 15,017	3.72	558	6-69	44	603	.10	36	46
42-56-9026	6631828	1365341	9-66	1 305 16,980	4.04	686	23 14,190	3.88	550	1-69	35	722	.00	26	40
42-56-9026	6817137	1365341	4-67	1 305 18,680	3.84	718	33 16,100	3.70	595	2-70	35	721	-.01	25	39
42-57-0027	6823292	1276725	1-67	1 305 22,730	2.59	588	13 13,440	3.57	480	4-69	26	1,034	-.16	14	38
42-57-0076	6766003	1330987	2-67	2 249 18,275	3.59	656	10 15,790	3.60	568	3-70	40	595	.04	27	38
42-57-0109	6217615	1427862	9-64	3 305 18,890	3.95	747	14 15,113	3.40	514	3-70	29	555	.10	34	43
42-57-0109	6320156	1383004	3-65	3 305 19,870	3.37	670	18 15,470	3.43	530	1-70	42	518	.08	30	38
42-57-0109	7026743	1458744	10-67	1 305 19,580	3.17	621	12 16,160	3.40	550	3-70	36	830	-.04	24	41
42-57-0176	6765098	1365341	12-												

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB) FAT (%) FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB) FAT (%) FAT (LB)	LAST T CALVO C REPT MO-YR D (%)	.....C O W MILK (LB) FAT (%) FAT (LB)	I N D E X..... FAT (%) FAT (LB) OOL- LARS
42-66-0014	5236726	1342259	9-60	4 305 21,893 3.28 718	7 15,248 3.71 565	2-69 33	892 -.07 22	\$ 41
42-66-0044	6286810	1237057	3-65	3 305 19,097 3.40 650	9 14,547 3.66 533	11-69 42	817 -.07 19	37
42-66-0049	6608313	1484266	1-66	2 305 19,475 3.53 687	15 13,045 3.77 492	7-69 25	802 -.03 25	42
42-66-9010	6635766	1476170	9-66	2 305 19,580 3.97 778	12 15,615 3.70 578	12-69 34	811 -.04 35	50
42-66-9010	6764949	1476170	11-66	2 305 22,085 3.39 749	14 15,720 3.77 593	11-69 34	1,083 -.06 30	53
42-66-9010	6933403	1476170	9-67	1 305 21,750 3.36 731	11 15,800 3.70 585	2-70 28	883 -.04 26	44
42-66-9040	6328039	1383004	12-64	2 305 20,235 3.65 739	15 15,335 3.74 573	1-69 40	506 .10 32	40
42-66-9040	6555942	1330987	3-65	4 305 17,810 3.94 702	7 14,355 3.80 546	3-70 44	738 .06 36	49
42-66-9040	6555943	1330987	7-65	2 305 17,475 3.94 688	14 15,365 3.72 572	3-69 40	552 .07 30	39
42-66-9040	6555945	1330987	9-65	3 305 17,363 3.85 669	17 15,180 3.74 568	10-69 42	578 .06 29	39
42-66-9045	5170813	1334961	10-60	5 300 22,854 3.26 744	8 15,538 3.45 536	1-70 36	1,132 -.05 33	57
42-66-9045	6081307	1199324	3-64	3 305 21,096 3.20 675	10 17,913 3.52 630	12-69 42	876 -.07 21	40
42-69-9015	6194604	1428731	9-64	4 305 17,905 3.44 616	27 13,627 3.68 502	11-69 35	810 -.05 22	39
42-69-9015	6585350	1428731	2-66	2 305 17,715 3.40 603	16 12,930 3.67 474	10-69 31	773 -.05 21	37
42-69-9020	5235343	1290741	3-60	7 305 19,194 3.65 701	16 13,890 3.61 501	8-69 36	946 .01 35	54
42-69-9020	6669954	1428731	3-66	1 305 19,890 3.47 690	18 12,860 3.64 468	10-69 26	843 -.03 26	43
42-69-9020	6929550	1428731	7-67	1 305 19,260 3.47 669	17 12,880 3.66 471	8-69 26	787 -.03 24	40
42-70-0023	5433539	1215958	10-61	4 305 17,677 3.72 658	51 12,930 3.75 485	8-69 42	846 .00 30	47
42-70-0023	5793746	1364113	10-62	4 305 15,955 3.99 637	37 12,803 3.82 489	2-70 35	547 .05 27	37
42-74-0017	6024668	1416354	3-62	3 305 23,047 3.46 797	8 14,697 3.75 551	10-68 31	1,292 -.06 38	65
42-75-0007	6694530	1470493	7-66	1 305 22,790 3.63 828	18 16,710 3.62 605	9-68 23	783 .00 28	44
42-77-0074	6765101	1070036	1-67	2 305 19,465 3.72 724	17 15,550 3.87 602	1-70 40	704 .04 31	44
42-77-0074	6942593	1315578	6-67	1 305 16,760 4.16 698	14 13,620 3.89 530	7-69 36	454 .12 33	39
42-77-0074	6945509	1365341	9-67	1 305 20,880 3.71 774	16 15,740 3.82 602	11-69 35	911 -.03 29	48
42-77-0074	6972211	1347940	11-67	1 305 18,460 3.67 678	21 15,970 3.88 619	2-70 36	770 -.02 25	41
42-77-0074	6987174	1406271	9-67	1 305 19,810 4.08 808	22 15,800 3.80 601	12-69 36	771 .06 37	51
42-77-0074	7121281	1365341	9-67	1 305 18,240 4.05 739	14 13,280 3.95 525	9-69 35	879 .00 32	49
42-79-9003	5776012	1386699	1-63	5 304 20,606 3.20 659	12 14,918 3.34 499	2-70 35	928 -.06 25	45
42-79-9003	7036548	1450228	8-67	1 305 20,310 3.69 750	9 15,690 3.31 520	12-69 33	1,076 .00 39	60
42-81-0028	6446074	1294703	2-65	3 304 19,973 3.36 672	8 14,137 3.60 509	5-69 42	1,065 -.07 28	51
42-81-0059	7030805	1261857	3-67	2 290 16,250 3.82 620	14 14,720 3.50 515	3-70 40	605 .10 36	46
42-82-0026	6473394	1438823	6-65	3 295 19,743 3.55 700	49 14,670 3.67 538	10-69 32	798 -.03 25	41
42-82-0067	6622225	1365341	7-66	1 303 17,380 3.52 612	13 13,460 3.68 496	5-69 35	802 -.03 24	41
42-82-0091	5782009	1244845	10-62	5 305 15,352 4.07 625	26 11,340 3.81 432	11-69 44	696 .02 28	41
42-82-0095	6484494	1406271	10-65	2 305 25,305 2.56 647	9 16,190 3.27 529	6-69 40	1,379 -.12 32	62
42-82-0095	6611026	1365341	6-66	2 278 21,595 3.31 714	10 15,015 3.56 535	10-69 40	1,160 -.06 33	57
42-82-9038	6316135	1392400	9-64	3 305 20,906 3.21 671	7 15,930 3.52 561	4-69 33	899 -.09 19	39
42-82-9038	6760199	1392400	4-65	3 305 19,836 3.40 674	10 15,763 3.48 548	1-70 33	777 -.05 21	38
42-82-9038	6825781	1458744	6-66	2 305 19,265 3.55 683	13 14,360 3.55 510	8-69 40	1,027 -.01 35	56
42-82-9068	6348496	1237057	12-64	3 305 19,000 4.01 761	9 14,863 3.77 560	8-69 42	773 .01 29	44
42-83-0023	6282337	1265694	11-64	3 301 20,787 3.48 724	25 14,440 3.93 567	6-69 42	1,065 -.12 21	45
42-84-0023	5966557	1373041	11-63	3 303 20,063 3.04 609	8 12,777 3.53 451	5-69 33	985 -.08 23	45
42-84-0035	5817373	1302386	3-63	5 304 20,676 3.11 642	16 14,842 3.49 518	6-69 37	1,017 -.07 26	48
42-84-0035	6914097	1484332	7-67	1 296 22,410 3.68 825	16 17,360 3.60 625	1-70 23	707 .00 26	40
42-84-0081	6214330	1440501	2-65	2 305 19,245 3.63 698	39 15,095 3.53 533	5-69 31	828 -.01 28	45
42-84-0085	6694085	1458744	7-66	2 302 16,450 3.94 648	19 14,915 3.74 558	9-69 40	690 .01 27	40
42-84-0085	6694087	1458744	8-66	2 305 17,770 3.72 661	18 15,105 3.73 563	10-69 40	807 -.01 28	44
42-84-0085	6928927	1458744	7-67	1 305 19,560 3.99 780	18 15,430 3.76 580	10-69 36	877 .02 34	51
42-84-0085	6928928	1458744	7-67	1 305 18,770 4.33 812	20 15,050 3.79 570	9-69 36	844 .04 37	53
42-84-0085	6979170	1458744	6-67	1 305 19,290 4.30 636	15 14,780 3.85 569	7-69 36	901 -.06 24	43
42-84-0085	6979171	1458744	7-67	1 297 17,110 3.80 651	15 15,600 3.74 583	11-69 36	683 .00 24	38
42-84-0085	6979174	1458744	7-67	1 305 18,770 3.83 719	18 14,580 3.76 548	8-69 36	875 .00 32	49
42-84-0085	6979175	1458744	9-67	1 305 17,780 3.87 688	8 16,240 3.75 609	1-70 36	690 .00 25	39
42-84-0085	6995673	1458744	8-67	1 305 19,040 3.61 687	18 15,430 3.76 580	10-69 36	838 -.02 27	44
42-84-0086	7141442	1458744	1-68	1 305 18,150 3.40 618	14 13,880 3.72 516	1-70 36	876 -.04 26	44
42-84-0120	6790612	1347940	9-65	3 305 17,703 3.64 645	13 14,836 3.56 528	2-70 42	858 .01 32	49
42-84-9004	6344420	1440501	6-65	3 305 18,450 3.29 607	13 14,996 3.42 513	2-70 34	782 -.05 21	38
42-84-9004	6395634	1440501	10-65	3 304 21,370 3.06 653	25 15,563 3.39 528	10-69 34	1,100 -.10 25	49
42-84-9004	6747049	1364341	11-66	2 285 21,215 3.46 735	19 16,290 3.36 547	10-69 32	734 .00 26	41
42-84-9004	6869527	1472217	7-67	1 305 23,480 3.50 822	7 16,440 3.36 552	7-69 23	847 .00 31	48
42-84-9009	6713476	1458744	9-66	1 305 16,590 4.00 664	17 14,120 3.74 528	10-68 36	744 .01 29	43
42-84-9065	6243008	1411114	5-64	3 305 18,890 3.88 732	11 15,787 3.59 567	7-69 32	546 .07 30	39
42-84-9070	5945096	1300012	7-63	4 305 22,650 3.07 695	12 14,763 3.58 528	11-69 42	1,228 -.15 22	50
42-84-9070	6902990	1365341	1-67	1 295 19,360 3.29 636	10 15,240 3.53 538	8-69 35	831 -.05 23	41
42-85-9273	5817096	1382192	11-62	3 305 23,653 3.18 752	35 17,087 3.48 595	4-69 32	1,031 -.09 24	47
42-85-9273	6879036	1386406	4-67	1 305 21,100 3.72 785	36 16,170 3.42 553	5-69 36	713 .04 31	44
42-85-9273	6879037	1386406	5-67	1 297 20,090 3.48 699	40 15,860 3.46 548	6-69 36	658 .01 25	38
42-85-9273	6916036	1386406	7-67	1 305 21,940 3.51 771	34 15,680 3.51 550	7-69 36	808 .01 30	46
42-85-9273	6937044	1347940	9-67	1 305 22,780 3.46 789	36 18,640 3.45 643	2-70 36	913 -.01 32	50
42-85-9273	6937046	1347940	9-67	1 305 19,330 3.53 683	26 17,160 3.47 596	11-69 36	755 .00 27	42
42-85-9273	6937047	1347940	10-67	1 305 19,840 3.58 710	30 16,640 3.49 580	10-69 36	828 .00 30	46
42-85-9273	6944090	1347940	10-67	1 305 19,000 3.45 656	30 16,640 3.49 580	10-69 36	766 -.01 26	41
42-85-9273	6944091	1347940	10-67	1 291 21,300 3.29 700	26 17,160 3.47 596	11-69 36	902 -.03 28	47
42-85-9273	6944092	1347940	10-67	1 305 20,640 3.28 677	26 17,160 3.47 596	11-69 36	853 -.03 27	45
42-85-9273	6944094	1347940	11-67	1 305 19,080 3.57 681	28 17,440 3.46 603	12-69 36	718 .00 26	40
42-85-9273	7015699	1347940	2-68	1 305 24,740 3.36 831	37 18,360 3.46 636	1-70 36	1,078 -.03 35	57
42-91-0074	4551639	1000390	10-57	5 305 16,550 3.79 628	5 13,122 3.52 462	9-69 44	511 .08 30	38
42-91-9098	6181317	1451334	9-64	3 305 22,273 3.56 792	22 17,650 3.51 619	11-69 33	1,004 -.02 33	53
42-93-9022	6336391	1422258	8-64	3 305 16,380 3.74 613	10 13,530 3.57 483	5-69 37	515 .07 28	37
42-94-0054	6181318	1451334	11-64	2 305 21,870 3.30 722	7 17,905 3.56 637	1-70 30	867 -.08 20	39
42-94-9003	6994654	1478014	11-67	1 305 21,630 3.76 814	16 17,860 3.47 619	1-70 33	610 .05 30	41
42-94-9009	5790521	1333241	11-62	3 305 23,087 3.25 751	22 16,083 3.43 551	1-69 33	939 -.06 25	45
42-96-0012	6808202	1458744	4-67	1 305 16,080 3.45 554	18 13,450 3.61 486	12-69 36	751 -.02 24	39
42-96-0032	6407157	1398216	7-65	3 302 18,990 2.96 563	14 12,113 3.50 424	9-69 42	1,084 -.11 22	46
42-96-0051	4909112	1019538	3-59	6 272 17,868 3.72 665	7 13,408 3.43 460	11-68 44	815 .09 43	57

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (L8)	I N D E X..... FAT (%) (L8)	FAT (%) (L8)	DOL- LARS
42-96-0056	6602881	1406271	8-66	2 301 15,245 4.34 662	12 12,495 3.52 440	3-70	40	696	.12	42 \$ 53
42-96-0056	6995863	1482944	12-66	1 305 18,940 3.76 712	11 11,760 3.76 442	11-69	19	662	.01	25 38
42-96-0056	6995864	1482944	1-67	1 305 19,770 3.74 739	12 12,230 3.76 460	12-69	19	700	.01	26 40
42-96-0110	6471903	1289586	11-65	2 217 21,470 3.33 715	8 14,955 3.51 525	10-69	8 39	869	-.05	24 42
42-96-0137	6362540	1386406	8-65	3 304 19,703 3.43 675	10 14,723 3.57 525	11-69	42	880	-.01	30 48
42-96-0137	6457521	1386406	11-65	2 301 19,325 3.23 624	8 14,125 3.56 503	2-69	40	839	-.04	25 43
42-96-0137	6457522	1330987	12-65	2 301 16,675 4.43 739	8 14,690 3.48 511	5-69	40	533	.14	40 47
42-96-9057	6322620	1417208	4-65	3 301 20,076 3.12 626	16 16,540 3.38 559	2-70	42	831	-.04	24 41
42-96-9063	5690102	1189870	9-62	4 305 17,095 3.90 667	14 14,138 3.56 504	9-68	44	584	.05	29 39
42-96-9063	6387669	1294703	4-65	2 305 17,480 3.81 666	12 15,080 3.44 518	5-69	40	652	.01	25 38
42-96-9079	6665434	1458744	10-66	1 305 17,840 3.79 677	16 13,700 3.66 502	8-69	36	865	.01	32 49
42-96-9079	6733390	1458744	11-66	1 305 16,240 3.68 597	16 13,700 3.66 502	8-69	36	746	-.01	26 41
42-96-9174	5694373	1179372	10-62	4 253 19,398 3.47 674	7 15,465 3.56 550	5-69	44	713	.00	25 39
42-96-9174	6395183	1366229	9-65	2 305 26,210 3.30 866	8 17,920 3.49 625	3-69	40	952	.02	37 55
42-96-9180	6409648	1406271	11-65	2 305 18,155 2.99 543	8 14,700 3.48 512	8-69	40	790	-.04	23 40
42-96-9180	6593796	1406271	7-66	2 305 21,000 3.08 646	10 14,680 3.49 512	11-69	40	1,080	-.04	33 55
42-98-9039	5446903	1199324	11-61	6 303 21,373 3.55 758	12 16,558 3.57 591	12-69	44	1,102	-.02	37 59
43-02-0036	6393502	1381154	1-64	1 305 22,000 3.99 878	24 15,200 3.70 562	10-68	19	658	.05	31 43
43-02-9007	6076602	1210507	11-63	3 305 18,380 3.47 638	27 11,427 3.97 454	10-69	41	1,205	-.12	25 52
43-02-9007	6412810	1468149	11-65	2 305 17,055 4.19 714	28 12,150 4.04 491	1-70	25	598	.04	28 39
43-02-9007	6445083	1406271	9-65	3 304 18,750 3.64 682	25 12,830 3.81 489	8-69	42	1,085	.01	41 62
43-02-9015	5964509	1237057	9-63	2 305 18,555 3.92 727	19 13,625 3.77 514	4-69	40	794	-.01	27 43
43-02-9023	4461027	1087974	12-56	7 303 17,156 3.71 637	13 14,301 3.71 531	11-69	44	709	.00	26 40
43-04-0040	7084148	1452489	2-68	1 305 20,680 3.43 710	13 15,170 3.43 521	2-70	24	690	-.01	23 37
43-04-0060	6197445	1210507	8-63	1 305 21,050 2.98 628	10 12,350 3.36 415	10-69	35	1,120	-.14	20 46
43-05-0005	6865182	1355784	5-67	1 305 27,050 3.01 815	27 17,590 3.51 617	10-69	35	1,254	-.13	25 53
43-06-0029	5376188	1358094	1-61	7 303 17,609 3.49 614	13 11,386 3.64 415	12-69	36	873	-.03	27 45
43-06-9025	6673564	1466812	8-66	1 305 18,820 3.58 674	51 12,160 3.59 437	6-69	28	807	.00	29 45
43-09-9006	5488042	1232399	11-61	4 304 21,535 3.59 774	42 14,895 3.78 563	4-69	40	800	.01	31 46
43-09-9006	7037358	1383311	11-67	1 305 25,100 3.53 885	37 17,010 3.77 642	2-70	36	870	-.04	25 43
43-12-0007	5091072	1301678	4-59	3 305 21,340 3.24 692	35 14,663 3.54 519	6-69	33	959	-.07	24 45
43-12-0007	5108890	1192589	6-59	4 300 20,118 3.06 616	53 14,128 3.47 490	5-69	35	885	-.09	19 39
43-12-0007	5211894	1301678	8-59	3 305 21,913 3.64 798	43 13,773 3.54 488	7-69	33	1,143	.01	42 65
43-12-9006	5221739	1210507	11-60	5 302 19,526 3.20 624	109 14,130 3.59 507	10-69	43	1,118	-.14	19 45
43-12-9006	5345968	1210507	2-61	3 305 20,703 3.27 677	145 14,483 3.59 520	2-69	41	1,155	-.12	23 49
43-12-9006	5600624	1271810	12-61	4 305 18,912 3.32 628	118 13,927 3.63 506	9-69	44	918	-.08	21 41
43-12-9006	5624561	1246183	7-62	3 305 24,647 3.76 927	123 14,653 3.64 533	11-68	42	1,125	-.04	35 58
43-12-9006	5785809	1271810	12-62	5 302 19,708 3.18 627	98 14,740 3.60 531	1-70	44	950	-.11	18 40
43-12-9006	5785813	1271810	12-62	4 303 18,230 3.41 621	120 14,155 3.52 498	2-69	44	809	-.06	21 38
43-12-9006	6137320	1322863	4-64	4 305 17,710 3.78 670	115 13,390 3.63 486	9-69	41	793	.02	31 46
43-12-9015	6879274	1406271	10-66	2 300 15,795 3.72 588	12 13,355 3.74 500	3-70	40	673	.03	29 42
43-14-0007	4090170	1114343	8-55	11 301 18,650 3.12 581	29 12,454 3.55 442	11-68	36	1,022	-.09	24 46
43-14-0008	6192948	1355784	4-63	4 305 15,367 3.41 524	28 12,032 3.53 425	8-69	43	845	-.08	19 38
43-14-0029	6967364	1355784	7-67	1 305 16,620 3.51 583	17 12,150 3.79 461	2-70	35	836	-.08	18 37
43-14-0037	5947873	1210507	12-62	5 300 18,290 3.36 615	13 14,076 3.71 522	9-69	43	962	-.13	16 38
43-14-0048	5981891	1355784	10-63	1 305 17,770 3.54 629	42 13,130 3.85 505	12-69	35	856	-.09	18 37
43-14-0048	6355190	1406271	7-65	1 305 17,330 3.68 638	17 13,800 3.48 480	4-69	36	721	.05	33 46
43-14-0048	6396685	1406271	7-65	2 305 17,850 3.64 650	29 12,860 3.68 473	3-70	40	927	.02	37 55
43-14-0048	6396686	1406271	8-65	2 299 16,510 3.74 618	12 13,790 3.46 477	4-69	40	706	.06	34 47
43-14-0048	6630836	1355784	2-66	1 305 19,060 3.45 658	26 13,630 3.74 510	3-70	35	919	-.09	20 40
43-14-0048	6770447	1406271	8-66	1 305 15,620 3.55 555	53 13,130 3.77 495	11-69	36	638	.02	26 38
43-16-9030	6001810	1418738	10-63	3 305 20,390 3.20 653	11 13,643 3.44 470	1-69	34	908	-.06	24 43
43-16-9030	6466976	1406271	11-65	2 305 18,880 3.41 643	11 13,455 3.41 459	8-69	40	977	.02	38 57
43-17-9001	5963845	1237057	10-63	3 305 18,190 3.27 595	13 12,943 3.52 456	1-69	42	879	-.08	20 39
43-19-0034	6653700	1406271	4-66	2 305 19,580 3.51 688	10 16,500 3.53 583	5-69	40	770	.02	31 46
43-19-0034	6689039	1406271	8-66	1 305 16,060 3.47 557	19 14,010 3.58 502	10-69	36	612	.02	25 37
43-19-0041	6763768	1330987	9-66	2 305 19,090 3.49 667	13 15,830 3.52 558	3-70	40	674	.03	29 42
43-19-0048	6867388	1458744	10-66	2 305 21,255 3.56 756	5 19,700 3.74 736	12-69	40	741	-.03	22 37
43-19-0054	5970526	1405489	2-63	5 301 22,008 3.45 760	5 17,224 3.59 618	5-69	36	978	-.04	30 50
43-19-0054	6307971	1405489	2-65	3 305 22,863 3.64 832	5 19,076 3.61 688	2-70	33	797	.00	29 45
43-19-0054	6910173	1261857	9-67	1 305 22,280 3.60 803	14 19,780 3.55 703	3-70	36	700	.07	35 47
43-19-0083	5949977	1413537	11-63	4 302 17,802 3.52 627	15 14,455 3.51 507	11-69	37	762	-.03	23 39
43-19-0096	6146842	1332860	9-64	1 305 17,040 4.21 717	8 13,030 3.26 425	3-70	25	469	.09	30 37
43-19-9018	5329034	1332860	10-60	6 304 22,508 3.48 783	13 16,963 3.57 605	10-69	36	974	-.02	32 52
43-19-9018	6239949	1237057	1-65	4 300 24,048 3.48 836	33 19,053 3.56 678	12-69	44	960	-.06	26 46
43-19-9018	6467244	1406271	1-66	3 302 23,610 3.50 827	30 19,206 3.54 680	1-70	42	984	.02	38 57
43-19-9018	6639826	1406271	8-66	2 305 20,825 3.62 753	28 18,815 3.57 671	10-69	40	685	.04	30 43
43-19-9018	6765486	1406271	11-66	2 305 21,835 3.54 774	35 19,135 3.55 679	1-70	40	758	.02	31 45
43-19-9035	6050401	1418353	10-63	4 305 19,740 4.03 795	6 16,640 3.91 651	3-69	35	768	.04	34 48
43-19-9035	6133158	1418353	5-64	4 305 19,550 3.72 727	9 16,762 3.82 640	10-69	35	725	-.01	25 40
43-19-9035	6147800	1418353	5-64	4 303 22,992 3.99 917	8 16,227 3.82 620	11-69	35	1,288	.06	55 79
43-19-9035	6189364	1418353	12-64	3 299 21,763 3.63 789	6 17,650 3.82 674	3-69	33	889	-.03	28 46
43-19-9035	6396812	1418353	8-65	3 292 20,816 3.57 744	8 16,883 3.86 652	11-69	33	855	-.04	25 43
43-19-9035	6396813	1418353	11-65	2 305 21,125 3.77 796	6 16,750 3.80 637	2-70	30	857	.01	32 49
43-19-9035	6626525	1418353	4-66	2 305 20,025 3.96 792	8 17,120 3.90 667	9-69	30	687	.02	28 41
43-19-9035	6626527	1418353	7-66	2 304 20,415 3.85 786	6 15,715 3.94 619	11-69	30	884	.01	33 50
43-19-9035	6716133	1418353	4-66	2 299 19,020 3.92 746	7 15,730 3.93 618	10-69	30	716	.01	28 42
43-19-9035	6926715	1418353	3-67	1 305 19,630 3.73 732	9 15,830 3.89 616	9-69	24	682	.00	24 38
43-22-0017	6360020	1422431	8-65	2 303 17,150 3.72 638	7 13,705 3.70 507	10-68	32	714	.00	26 40
43-22-0017	6614273	1422431	4-66	1 305 19,750 3.73 737	5 13,110 3.81 500	9-68	26	911	.00	33 51
43-22-0017	6628970	1422431	4-66	1 305 17,300 3.74 647	5 13,110 3.81 500	9-68	26	700	.00	25 39
43-22-9001	5856254	1210507	11-62	3 305 26,673 3.45 920	27 18,163 3.63 660	1-70	41	1,466	-.10	37 69
43-22-9001	6330582	1443434	9-64	3 303 23,603 3.60 850	25 18,350 3.69 677	1-69	8 32	901	-.02	30 48
43-22-9001	6807663	1261857	8-66	2 305 20,710 3.52 728	32					

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	FAT (%)	PRODUCTION FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES... FAT (%)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	I N O E X..... MILK (L8)	FAT (%)	FAT (L8)	DOL- LARS
43-22-9025	6011829	1413537	10-63	3 305	21,033	3.58	752	17 15,170	3.66 555	5-69	36	1,069	-.04	33	\$ 55
43-22-9025	6103272	1367353	2-64	4 305	22,200	3.45	765	32 15,502	3.64 565	2-70	42	960	-.01	33	52
43-22-9025	7060950	1466812	8-66	2 305	20,985	3.62	759	25 14,665	3.69 541	11-69	33	970	-.01	34	53
43-22-9026	6655049	1406271	2-66	2 305	16,115	3.70	597	13 13,860	3.67 509	5-69	40	659	.04	29	41
43-22-9026	6655051	1406271	7-66	2 305	16,640	3.52	585	10 13,115	3.67 481	7-69	40	781	.01	30	45
43-22-9026	6786661	1406271	11-66	2 305	19,900	3.45	686	15 15,205	3.54 538	3-70	40	921	.01	35	53
43-22-9026	6808262	1406271	12-66	2 303	17,800	3.57	636	16 15,180	3.58 543	12-69	40	710	.03	30	43
43-22-9026	6848257	1406271	2-67	1 305	22,390	3.70	828	17 15,240	3.65 557	1-69	36	1,001	.04	42	61
43-22-9026	6922961	1406271	8-67	1 305	19,730	3.49	689	11 15,230	3.39 516	3-70	36	804	.03	34	49
43-23-0003	6835767	1406271	6-67	1 305	16,280	3.61	587	16 14,760	3.52 520	11-69	36	578	.04	26	37
43-23-0003	6888234	1406271	7-67	1 293	17,880	3.37	603	16 15,250	3.45 526	12-69	36	664	.02	27	40
43-23-0027	7353147	1406271	8-66	1 305	15,060	3.79	571	14 11,160	3.52 393	6-69	36	729	.05	34	47
43-23-9013	6355742	1406271	7-65	2 305	18,925	3.52	667	20 16,070	3.68 591	7-69	40	743	.01	28	43
43-24-0027	6395341	1313490	11-65	2 305	20,600	3.46	712	17 13,440	3.62 487	9-69	40	945	-.05	26	46
43-33-0025	5885463	1271810	9-63	3 301	20,543	3.31	680	18 14,840	3.39 503	4-69	42	976	-.06	26	47
43-33-0025	6107075	1271810	3-64	3 304	18,226	3.54	646	24 14,426	3.39 489	11-69	42	753	-.02	24	39
43-33-0040	6330153	1406271	2-65	2 300	19,430	3.79	736	17 14,030	3.71 521	1-69	40	980	.04	42	60
43-33-0044	5400931	1138441	7-61	6 302	22,300	2.94	655	10 15,538	3.54 550	8-69	44	1,241	-.20	15	45
43-33-9020	5116145	1306272	2-60	4 301	22,960	3.65	839	26 15,615	3.58 559	9-69	37	1,239	.01	46	70
43-33-9041	6411302	1271810	6-65	3 305	20,916	3.40	712	19 16,146	3.68 594	12-69	42	884	-.08	20	40
43-34-0011	7044359	1406271	10-67	1 305	15,650	3.60	564	38 13,190	3.40 449	11-69	36	636	.04	29	41
43-34-0011	7241331	1406271	8-67	1 305	17,530	3.23	566	34 12,760	3.37 430	9-69	36	805	.01	31	47
43-35-0065	5243577	1190632	11-60	3 305	20,640	3.41	703	16 14,103	3.50 493	7-69	42	989	-.10	21	43
43-35-0065	6842347	1406271	5-67	1 305	15,640	3.42	535	16 13,260	3.24 430	2-70	36	631	.04	29	40
43-35-0100	6896300	1458744	8-67	1 305	17,100	3.75	642	52 14,660	3.61 529	7-69	36	745	.00	27	42
43-35-0134	6839792	1458744	4-67	1 305	18,820	3.44	648	6 13,580	3.49 474	4-69	36	946	-.02	31	50
43-35-9023	6332287	1406271	2-65	3 305	17,360	4.37	758	29 14,660	3.58 525	11-69	42	736	.13	46	57
43-35-9069	5189176	1210507	9-60	6 305	22,128	3.37	745	18 17,160	3.60 617	6-69	43	1,101	-.12	22	47
43-35-9069	5307551	1210507	12-60	5 305	22,442	3.76	844	15 17,222	3.57 614	7-69	43	1,135	-.04	35	59
43-35-9069	5307552	1210507	1-61	6 305	21,963	3.81	836	13 17,310	3.65 632	2-70	43	1,062	-.04	32	54
43-35-9069	6022614	1210507	1-64	4 305	23,190	3.42	792	19 17,338	3.67 637	12-69	42	1,192	-.11	26	53
43-35-9069	6308901	1210507	4-65	2 305	23,760	3.58	851	21 17,490	3.72 651	11-68	39	1,123	-.09	27	52
43-35-9116	5833960	1492073	7-63	2 296	21,275	3.87	823	9 12,040	3.93 473	4-69	40	1,013	.00	36	56
43-35-9116	7043332	1492073	9-60	1 305	21,050	4.49	945	15 11,780	3.91 461	2-69	35	780	.05	36	50
43-35-9136	5798934	1370173	7-62	3 305	18,603	3.35	623	5 12,793	3.66 468	12-69	41	776	-.03	23	39
43-36-0008	5856261	1179372	11-62	5 304	21,132	3.81	805	25 17,344	3.64 631	1-70	44	738	.04	33	47
43-44-0061	5536222	1347811	12-61	2 305	20,510	3.23	663	10 14,430	3.49 504	10-69	25	776	-.05	20	37
43-44-0061	5683594	1471496	5-66	2 305	20,105	3.18	640	7 14,050	3.36 472	6-69	28	845	-.04	24	42
43-45-0006	5904779	1383551	10-63	4 304	17,755	3.50	622	14 11,970	3.54 424	7-69	43	791	-.02	25	41
43-45-0023	4906226	1299000	11-58	3 298	17,100	3.73	637	23 12,250	3.70 453	11-69	29	667	.01	26	39
43-49-9040	5635977	1210507	8-62	6 277	17,797	3.29	585	9 13,338	3.34 446	9-69	43	984	-.10	21	43
43-49-9040	5736897	1138441	10-62	4 305	20,115	3.36	675	16 15,330	3.47 532	9-69	43	955	-.10	19	41
43-49-9040	5736899	1210507	1-63	3 305	19,610	3.25	637	22 13,467	3.56 479	9-69	41	1,134	-.12	23	49
43-49-9040	6910606	1357797	11-67	1 305	16,960	3.38	574	22 13,690	3.46 473	1-70	35	486	.09	31	38
43-50-0057	6069780	1210507	11-63	4 305	18,028	3.32	599	11 14,105	3.32 468	12-69	42	909	-.09	20	40
43-50-0065	5880822	1283518	7-63	3 305	20,450	4.05	828	15 11,793	3.51 414	2-69	36	1,433	.06	61	88
43-50-0065	6236494	1347065	10-64	2 305	18,845	4.00	754	20 12,990	3.56 463	11-68	40	689	.02	28	41
43-50-0065	6509179	1439813	11-65	2 305	17,740	3.61	640	13 12,775	3.44 439	4-69	29	605	.04	27	38
43-50-0065	6896298	1458744	3-67	2 294	17,675	3.62	639	23 13,890	3.54 492	3-70	40	908	.00	33	51
43-50-0065	7203994	1210507	9-67	1 305	19,810	3.11	616	35 12,340	3.53 436	11-69	35	1,025	-.13	18	42
43-52-0006	6348626	1406271	5-65	2 305	18,720	3.68	688	66 15,805	3.53 558	2-69	40	746	.05	34	48
43-52-0006	6354443	1271810	8-65	3 305	21,440	3.04	652	67 15,430	3.63 560	1-70	42	1,019	-.13	17	41
43-52-0006	6398353	1395119	11-65	2 305	21,745	3.24	704	74 14,725	3.59 528	6-69	33	950	-.11	18	40
43-52-0006	6466931	1419755	1-66	3 305	20,330	3.52	715	64 15,623	3.59 561	2-70	36	894	-.04	26	45
43-52-0006	6909013	1406271	9-67	1 305	17,890	3.78	676	52 15,810	3.69 583	3-70	36	628	.04	29	40
43-65-0017	5883261	1330987	7-63	4 304	18,650	4.05	756	28 15,143	3.69 559	2-70	44	754	.09	41	54
43-65-0017	5935073	1373055	9-63	5 298	18,764	3.95	741	39 15,002	3.71 557	11-69	44	724	.01	27	41
43-65-0017	6627734	1433914	3-66	1 305	20,230	3.76	761	33 14,990	3.55 532	12-69	23	639	.02	26	38
43-65-0017	6827642	1433914	3-67	1 305	20,080	3.44	691	26 13,520	3.61 488	8-69	23	745	-.03	23	38
43-65-0049	6597186	1425634	10-65	3 303	19,143	3.72	713	9 12,983	3.84 499	11-69	35	785	.04	34	49
43-66-0023	6288083	1406271	10-64	2 305	18,115	3.54	641	8 14,590	3.46 505	3-69	40	796	.04	34	49
43-66-9002	5180783	1179372	11-60	7 305	22,089	3.64	803	21 16,237	3.55 577	10-69	44	990	.02	39	58
43-66-9002	6014660	1244845	1-64	3 305	24,023	3.18	764	25 16,173	3.64 588	7-69	42	1,149	-.11	25	51
43-66-9002	6014661	1244845	1-64	4 298	22,935	3.22	739	25 16,425	3.65 600	9-69	44	1,050	-.11	22	46
43-68-0002	6027934	1355784	10-63	5 304	22,648	3.62	820	31 16,922	3.72 630	10-69	44	1,233	-.07	34	60
43-68-0002	6027935	1271810	11-63	5 305	20,812	3.82	796	26 16,950	3.73 632	12-69	44	836	-.01	28	45
43-68-0010	6733051	1406271	11-66	1 305	16,230	3.86	627	13 11,920	3.81 454	3-69	36	765	.04	34	48
43-71-0007	6620143	1406271	5-66	2 305	19,245	3.50	673	11 15,230	3.66 557	11-69	40	852	.01	32	49
43-71-0007	6723234	1406271	8-66	2 305	16,550	3.70	612	11 14,920	3.66 546	11-69	40	607	.04	27	38
43-71-0007	6723235	1406271	12-66	1 305	17,820	3.77	672	14 14,060	3.69 519	8-69	36	740	.04	33	47
43-71-0007	6873765	1406271	10-66	1 305	18,750	3.48	653	14 14,060	3.69 519	8-69	36	809	.01	31	47
43-71-0007	7174300	1406271	10-67	1 305	16,760	3.93	658	18 14,340	3.68 527	10-69	36	642	.05	31	42
43-71-0026	6478729	1406271	9-65	2 301	15,435	3.50	540	6 13,125	3.63 477	7-69	40	657	.02	26	39
43-72-0013															

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W MILK (L8)	I N D E X..... FAT (L8)	FAT (L8)	..... OOL- LARS			
43-95-0002	6517692	1406271	9-65	3 305	17,533	4.18	733	20	14,003	3.73	523	12-69	42	823	.10	44	\$ 58
43-95-0002	6517693	1406271	12-65	2 305	23,805	3.23	769	12	15,555	3.57	556	5-69	40	1,285	-.03	42	68
43-95-0002	6902042	1458744	10-67	1 292	20,120	4.21	848	31	15,790	3.72	587	12-69	36	895	.05	39	56
43-95-0002	6927828	1406271	4-66	2 305	19,470	3.64	708	23	15,225	3.66	557	11-69	40	875	.03	36	53
43-97-0070	5134530	1271810	6-60	5 305	19,052	3.50	666	6	15,160	3.56	539	2-70	44	817	-.05	22	39
43-97-0085	6514567	1387372	5-64	4 278	20,395	3.36	685	7	15,207	3.54	539	9-69	36	832	-.05	23	41
43-98-0071	6708674	1436314	10-66	2 305	19,005	3.51	667	8	14,125	3.54	500	11-69	32	916	-.03	28	47
45-02-0006	5760474	1283596	11-61	6 305	17,413	3.58	623	16	13,555	3.42	464	11-69	36	615	.03	26	38
45-02-0006	6291253	1329588	11-64	4 305	17,610	3.45	607	14	13,793	3.34	461	2-70	44	698	-.01	23	37
45-02-0036	5435257	1181068	11-61	4 305	18,568	4.06	753	7	14,443	3.74	540	9-69	43	618	.06	31	42
45-02-9019	6316114	1199324	10-64	3 299	21,460	3.78	812	18	17,070	3.60	615	1-69	42	1,005	.02	39	58
45-06-9001	6789515	1438285	10-66	2 305	15,050	4.20	632	23	11,880	3.80	451	12-69	33	796	.03	33	48
45-08-0001	6718007	1311429	12-65	2 305	18,575	3.26	606	29	13,365	3.28	438	4-69	40	1,000	-.08	24	46
45-09-0003	7230690	1422506	5-67	1 305	16,500	3.53	583	7	11,220	3.37	378	1-70	35	725	.03	30	44
45-09-9013	6635583	1406271	11-65	2 305	15,095	3.92	591	34	11,325	3.82	433	3-70	40	787	.04	35	49
45-09-9044	6487253	1314767	12-65	3 291	19,356	3.61	699	8	15,003	3.97	596	10-69	42	700	-.02	23	37
45-16-0004	6493117	1417208	11-65	2 305	18,845	3.24	610	15	15,070	3.36	506	9-69	40	803	-.02	26	42
45-20-0005	6816724	1261857	1-67	1 305	15,940	3.38	538	42	12,220	3.45	422	9-69	36	735	.05	34	47
45-23-0005	5275714	1267913	8-60	5 305	18,634	3.76	700	11	14,952	3.74	559	4-69	37	643	.03	27	39
45-29-0002	6484526	1398525	12-65	2 289	20,565	3.87	796	8	15,975	3.66	585	12-69	29	659	.04	30	42
45-30-0013	6739550	1453380	10-66	1 305	19,340	3.58	693	7	12,230	3.47	424	3-69	23	871	.00	31	48
45-30-9040	5260929	1298840	1-61	5 246	16,282	3.73	607	7	12,958	3.61	468	1-70	36	676	.02	28	41
45-30-9040	6839726	1347940	2-67	1 305	17,280	3.47	599	10	15,350	3.43	527	10-69	36	724	-.01	25	40
45-47-0001	5777331	1228346	12-62	3 300	21,250	3.91	831	29	15,103	3.85	582	5-69	41	879	.00	31	49
45-47-0001	5843331	1388468	6-63	4 303	17,555	3.88	681	24	14,200	3.78	537	5-69	33	627	.06	31	42
45-47-0001	5859168	1210507	7-63	4 305	17,758	3.70	657	25	13,860	3.82	530	6-69	42	902	-.08	21	41
45-47-0001	6162869	1330987	9-64	4 291	16,725	4.38	733	29	14,735	3.82	563	12-69	44	561	.12	38	46
45-47-0001	6438079	1330987	7-65	3 305	16,907	4.25	719	28	15,353	3.86	593	12-69	42	508	.09	32	40
45-47-0001	6515462	1330987	11-65	2 305	17,985	4.00	719	29	15,770	3.85	607	5-69	40	567	.07	30	40
45-47-0026	6444193	1417208	10-64	2 277	15,375	3.46	532	13	12,025	3.78	454	5-69	40	729	-.02	23	38
45-47-0026	6744717	1347940	2-66	2 304	20,485	3.31	678	24	13,460	3.69	497	12-68	40	1,244	-.05	37	63
45-47-0031	7083956	1417208	4-68	1 305	19,860	3.27	650	6	15,180	3.45	524	2-70	36	793	-.02	26	42
45-51-9002	6488670	1311429	11-65	3 304	21,000	3.25	682	12	15,633	3.78	591	3-70	42	1,097	-.14	18	43
46-01-0053	6766163	1330987	9-66	2 295	16,395	3.89	638	15	14,340	3.47	498	11-69	40	536	.08	31	40
46-01-0053	7104957	1330987	8-67	1 305	18,340	3.26	597	21	14,830	3.40	504	9-69	36	613	.02	25	37
46-01-9043	5978628	1339582	11-61	3 305	21,493	3.63	781	12	13,663	3.76	514	12-68	29	1,112	-.01	38	60
46-01-9043	6317458	1232724	10-62	3 305	18,293	3.82	699	15	14,373	3.78	544	11-69	42	699	-.02	23	37
46-01-9043	6664244	1406271	7-66	1 305	20,120	3.71	747	22	13,680	3.85	526	10-69	36	937	.03	38	56
46-01-9043	7089025	1406271	8-67	1 305	19,200	3.66	702	22	13,680	3.85	526	10-69	36	868	.02	35	52
46-03-0033	5010513	1236789	10-59	6 303	15,911	3.73	594	14	13,723	3.45	474	8-69	44	633	.04	28	40
46-03-0033	5676879	1237057	5-62	4 302	18,808	3.21	604	19	12,390	3.33	413	10-69	44	1,053	-.07	27	50
46-05-0038	6133231	1432457	8-64	3 305	23,786	4.01	953	12	15,876	3.33	528	10-69	34	1,298	.13	66	88
46-05-0038	7098444	1467479	3-67	1 305	21,420	3.57	764	8	15,960	3.11	497	9-69	23	553	.05	27	37
46-05-9039	5930720	1237057	11-63	4 301	17,273	3.46	598	17	13,188	3.59	474	5-69	44	775	-.05	20	37
46-15-0003	5439754	1325384	10-61	6 299	17,132	3.63	622	10	12,758	3.54	452	7-69	36	723	.03	30	44
46-15-9005	6109036	1244009	2-64	3 299	18,860	3.28	619	28	14,513	3.45	500	10-69	42	929	-.07	23	43
46-15-9005	6502028	1244009	5-65	3 305	22,363	3.19	713	32	15,180	3.54	538	12-69	42	1,263	-.10	30	58
46-15-9005	6869385	1261857	4-67	1 305	22,520	3.31	745	38	15,920	3.23	515	4-69	36	977	.05	43	61
46-15-9005	6869386	1261857	6-67	1 305	18,140	3.56	645	39	15,160	3.24	491	6-69	36	701	.09	38	50
46-15-9005	6888962	1261857	5-67	1 305	17,760	3.37	599	37	15,450	3.20	494	5-69	36	654	.07	34	45
46-17-0003	6909909	1261857	7-67	1 305	16,150	3.87	625	11	13,170	3.79	499	11-69	36	687	.08	36	48
46-17-0003	6926504	1261857	6-67	1 305	16,460	3.97	654	8	11,390	3.85	438	10-69	36	829	.08	42	56
46-23-0029	6522013	1386406	11-65	3 295	19,856	3.30	656	9	16,363	3.53	577	1-70	42	728	-.03	22	37
46-23-0029	6810021	1386406	1-67	2 305	18,105	4.10	742	7	16,485	3.54	583	12-69	40	499	.08	30	38
46-26-0008	6616046	1417208	3-66	2 305	17,290	3.70	639	24	14,885	3.55	529	11-69	40	662	.02	27	40
46-26-0018	6492973	1330987	1-66	2 298	20,315	3.06	621	23	15,340	3.42	525	12-69	40	843	-.02	27	44
46-26-0042	6170945	1329588	12-64	3 305	19,393	3.34	647	19	14,257	3.76	536	4-69	42	828	-.07	19	37
46-26-0084	6985495	1386406	9-67	1 305	18,740	3.85	722	6	12,040	3.51	423	9-69	36	814	.04	35	50
46-26-9025	5453494	1199324	10-61	7 305	19,174	3.66	702	8	15,620	3.65	570	10-69	44	927	-.01	32	51
46-29-9103	7011836	1458744	9-67	1 305	23,280	2.89	673	8	16,620	3.47	576	12-69	36	1,074	-.08	27	50
46-30-0100	7097287	1406271	12-66	1 296	17,850	3.85	687	7	15,910	3.22	513	3-69	36	618	.08	34	44
46-37-0002	6728147	1469612	12-66	2 305	21,500	3.34	718	14	15,835	3.46	548	12-69	29	821	-.02	26	43
46-41-0010	5214935	1223954	8-60	6 305	16,998	3.47	590	16	12,788	3.60	460	9-68	35	703	-.02	22	37
46-55-0008	6787247	1461986	11-66	2 305	21,105	3.70	780	5	15,190	3.87	588	11-69	28	1,013	-.04	31	52
46-55-0008	6939408	1461986	8-67	1 305	20,410	3.72	760	6	15,100	3.91	591	10-69	22	796	-.04	23	40
46-55-0008	6939409	1461986	11-67	1 305	22,140	3.03	670	6	15,070	3.92	590	9-69	22	955	-.13	15	37
46-60-0003	6488846	1455660	12-65	2 305	21,530	3.71	798	5	16,445	3.79	623	5-69	30	695	.01	26	40
46-60-0012	7075350	1458744	1-67	1 305	17,050	3.81	650	10	14,920	3.69	551	3-69	36	724	.00	26	40
46-60-9001	6344625	1406271	7-65	3 305	21,653	3.77	816	16	16,036	3.89	623	11-69	42	1,087	.03	43	64
46-60-9001	6387880	1406271	9-65	3 305	18,370	3.80	698	16	16,080	3.87	623	2-70	42</				

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COV'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS		
46-70-0013	6363383	1395845	9-65	2 305	17,480	4.16	727	24	14,170	3.56	505	9-68	30	519	.11	34	\$ 42
46-70-0013	6378273	1395845	5-65	3 305	17,406	4.02	700	28	14,516	3.59	521	12-69	33	511	.09	32	40
46-70-0010	6284283	1237057	2-65	3 305	18,553	3.23	600	29	13,453	3.61	486	12-69	42	868	-.09	18	37
46-70-0010	6789512	1438285	7-66	2 299	19,125	3.22	616	28	13,970	3.55	496	10-69	33	1,046	-.08	26	49
46-70-0010	6816635	1261857	5-67	1 305	17,310	3.57	618	28	13,810	3.55	490	7-69	36	730	.07	36	49
46-70-0014	6211873	1447170	12-64	3 302	16,926	4.00	677	27	13,320	3.87	515	9-69	34	578	.04	26	37
46-70-0014	6295178	1222994	4-65	3 305	17,827	3.75	668	18	13,913	3.81	530	6-69	42	741	.00	26	41
46-70-0014	6402001	1422258	12-65	3 305	17,156	3.88	666	26	13,763	3.81	525	1-70	37	587	.06	30	40
46-70-0014	6428502	1422258	1-66	2 305	16,935	4.04	684	28	13,805	3.82	528	3-69	34	514	.08	30	38
46-70-0014	6464631	1422258	1-66	2 304	18,645	3.84	716	24	14,335	3.82	547	2-69	34	651	.06	32	43
46-70-0014	6674370	1422258	11-66	2 305	17,960	3.64	654	27	13,700	3.84	526	12-69	34	639	.03	27	39
46-70-0014	6738275	1422258	12-66	2 305	16,915	3.95	668	25	13,335	3.81	508	1-70	34	559	.07	30	39
46-70-0015	5312417	1280015	3-61	3 305	18,903	3.68	695	21	15,027	3.53	530	8-69	42	471	.09	30	37
46-70-0015	6574178	1438285	6-66	2 305	18,595	3.41	635	25	14,865	3.68	547	2-70	33	893	-.06	23	42
46-70-0015	6703249	1438285	9-66	2 305	17,890	3.52	630	20	15,120	3.68	556	11-69	33	787	-.04	22	39
46-70-0015	6703250	1438285	11-66	1 305	18,560	3.66	679	15	15,040	3.54	533	12-68	28	799	-.02	26	42
46-70-0015	6789502	1438285	12-66	1 305	18,970	3.56	675	26	15,310	3.51	538	2-69	28	813	-.02	26	43
46-70-0015	6789503	1438285	12-66	1 305	20,440	3.77	771	32	14,800	3.50	518	6-69	28	976	.00	35	54
46-70-0015	6789506	1438285	1-67	1 305	20,980	3.35	702	26	15,310	3.51	538	2-69	28	983	-.05	28	49
46-70-0015	6789508	1438285	2-67	1 305	17,820	3.84	684	30	14,450	3.58	517	7-69	28	781	.00	28	44
46-70-0015	6789510	1438285	2-67	1 305	19,010	3.54	673	30	14,450	3.58	517	7-69	28	882	-.03	27	45
46-70-0015	6789514	1438285	9-66	2 296	18,365	3.10	570	20	14,895	3.54	528	1-70	33	864	-.09	18	37
46-70-0015	6789516	1438285	11-66	2 300	18,650	3.67	684	22	15,395	3.48	536	3-70	33	845	.00	30	47
47-01-0020	6421343	1320310	11-65	1 305	19,430	3.80	739	7	11,850	3.72	441	9-69	35	1,221	-.03	39	64
47-02-0010	6925005	1450228	10-67	1 305	20,400	4.12	840	13	15,070	3.82	575	2-70	33	1,127	.01	42	64
47-02-0010	6932006	1450228	10-67	1 305	16,850	4.21	709	10	14,830	3.79	562	3-70	33	863	.01	33	50
47-02-0007	6949224	1459664	10-67	1 305	21,600	3.56	769	15	11,540	3.84	443	3-70	19	933	-.02	31	50
47-02-0018	6722475	1452743	10-66	2 305	20,960	3.58	751	30	15,140	3.61	546	9-69	31	842	-.02	28	45
47-02-0018	7107986	1458744	4-68	1 305	17,420	3.89	677	15	15,300	3.78	579	3-70	36	726	.01	27	41
47-13-0022	6650782	1365058	9-66	1 305	25,400	3.36	854	9	14,050	3.37	474	3-70	35	1,050	-.07	28	50
47-20-0068	6355317	1386406	2-65	2 305	16,945	3.58	606	6	13,190	3.50	461	2-70	40	683	.02	27	40
47-20-0068	6894220	1365341	8-67	1 305	15,720	3.98	626	9	12,000	3.67	440	11-69	35	776	.01	29	44
47-20-0003	5707316	1343088	5-62	4 305	18,168	4.36	793	22	15,683	3.76	590	9-69	36	454	.12	34	40
47-20-0003	6273031	1416835	2-65	4 305	20,317	3.55	722	29	15,785	3.68	581	2-70	35	851	-.03	26	44
47-20-0003	6398783	1416835	10-65	2 305	20,660	3.54	732	40	14,970	3.74	560	9-69	30	869	-.04	26	44
47-20-0011	6753542	1261857	9-66	2 289	20,775	3.04	632	6	15,185	3.85	585	1-70	40	1,022	-.05	30	51
47-27-0031	7337412	1365341	4-68	1 305	20,290	3.65	741	9	15,190	3.73	566	3-70	35	904	-.02	29	48
47-28-0052	5838553	1179372	11-62	4 305	18,175	3.80	690	11	14,405	3.73	538	4-69	44	680	.02	28	41
47-28-0052	6551346	1271075	9-65	3 304	17,513	3.85	674	21	14,677	3.84	564	2-70	42	759	.00	28	43
47-28-0106	6824341	1488744	5-66	2 305	20,105	3.29	662	5	15,720	3.66	575	7-69	40	988	-.06	27	48
47-28-0002	7134285	1419755	4-67	2 289	20,075	3.71	744	29	15,805	3.60	569	3-70	33	783	-.01	27	43
47-28-0008	6427767	1347065	10-65	3 305	18,926	4.02	760	64	14,360	3.73	535	11-69	42	631	.02	25	37
47-28-0036	5703829	1397476	9-62	6 305	18,248	3.59	656	22	13,575	3.96	537	9-69	34	792	-.05	21	38
47-28-0036	6432304	1240549	9-65	3 305	20,437	3.58	731	19	13,863	3.96	549	8-69	42	785	-.03	24	40
47-28-0036	6432306	1271075	9-65	2 305	19,180	3.66	702	11	15,340	3.94	605	1-69	40	840	-.03	26	43
47-28-0058	6428029	1427381	6-65	3 293	16,036	4.28	686	23	12,406	3.85	478	8-69	34	958	.08	47	64
47-28-0089	5304512	1179372	1-61	4 298	18,373	3.21	590	55	13,953	3.30	461	7-69	44	754	-.02	24	39
47-28-0089	5430201	1085978	10-61	4 299	18,488	3.35	619	66	13,308	3.40	453	9-68	44	1,060	-.04	32	54
47-28-0089	5462678	1085978	8-61	3 305	18,570	3.52	653	59	13,883	3.36	467	10-69	42	976	-.01	34	54
47-28-0097	5671404	1405979	10-62	5 296	16,762	3.85	645	13	13,178	3.76	496	8-69	35	607	.04	28	39
47-34-0010	6726592	1458744	9-66	2 305	18,165	3.42	622	26	15,390	3.64	560	12-69	40	821	-.03	25	42
47-34-0016	6641955	1261857	10-66	2 297	17,650	3.84	678	17	13,240	3.84	509	11-69	40	882	.07	42	58
47-47-0001	6756080	1458744	8-66	1 305	15,960	3.80	607	6	14,160	3.73	528	5-69	36	694	.00	25	39
47-48-0034	5715561	1237057	8-62	5 303	16,636	3.62	602	16	12,516	3.66	458	12-69	44	789	-.04	23	40
47-48-0039	5778795	1283917	10-62	5 297	19,234	3.59	691	5	14,530	3.69	536	3-70	44	858	-.07	20	39
47-48-0033	6811427	1261857	2-67	1 305	16,190	4.05	656	26	13,320	3.82	509	9-69	36	679	.09	37	48
47-48-0033	6995948	1261857	10-67	1 305	19,050	4.16	793	8	14,840	3.73	554	2-70	36	791	.10	44	57
47-49-0018	5588016	1228368	4-62	4 305	23,205	3.86	895	15	17,678	3.63	642	12-68	42	838	.08	42	57
47-49-0018	5706438	1228368	8-62	4 304	20,088	4.07	818	16	17,240	3.65	630	5-69	42	492	.11	34	41
47-54-0023	6884460	1386406	9-67	1 305	19,130	3.96	758	7	15,840	3.54	561	12-69	36	588	.05	28	38
47-54-0024	6932907	1365341	11-67	1 305	24,940	3.42	852	19	16,260	3.73	607	3-70	35	1,183	-.05	35	60
47-55-0005	5684235	1010936	8-62	5 300	18,848	3.61	680	38	15,476	3.60	557	9-69	44	631	.02	26	38
47-55-0005	6161792	1271810	8-64	4 301	19,522	3.29	642	25	14,965	3.61	540	1-70	44	878	-.09	19	39
47-55-0005	6280698	1192713	7-64	3 305	18,213	3.91	713	29	15,313	3.72	570	4-69	42	702	.03	30	43
47-55-0005	6374567	1265694	4-65	2 305	19,495	3.68	717	50	14,155	3.69	523	5-69	40	877	-.07	22	41
47-55-0005	6450414	1222994	10-65	2 305	18,395	3.71	682	39	14,490	3.72	539	3-69	40	703	.00	26	40
47-55-0005	6522043	1222994	11-65	3 285	17,790	4.02	715	28	14,677	3.67	539	1-70	42	658	.05	31	43
47-55-0112	6123900	1389191	7-64	2 305	22,290	3.68	821	81	17,205	3.49	601	12-68	30	794	.00	28	44
47-55-0112	6150238	1173577	8-64	3 305	23,607	3.28	774	79	17,077	3.48	595	3-70	41	1,048	-.09	24	47
47-55-0112	6691449	1365341	12-66	1 305	17,800	3.90	695	84	15,680	3.52	552	9-69	35	683	.0		

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUM8ER	SIRE NUM8ER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8)	I N O E X..... FAT FAT (%) (L8)	DOL- LARS				
47-61-9050	6742942	1359626	9-66	2 305	23,880	3.34	797	47-	16,655	3.55	591	1-70	40	877	-.07	22	\$ 41
47-61-9050	6746361	1464510	8-66	2 296	22,185	3.84	853	49	16,740	3.55	595	10-69	36	955	.00	35	54
47-61-9052	6117782	1415185	7-64	3 305	17,773	4.14	735	22	14,463	3.60	520	5-69	37	632	.11	39	49
47-61-9052	6529794	1412123	11-64	4 302	19,652	3.44	676	18	14,837	3.72	552	12-69	36	792	-.05	21	38
47-69-0005	5849514	1283917	11-62	5 305	21,284	3.51	748	16	15,560	3.51	546	10-69	44	1,003	-.07	26	48
47-69-0017	7066547	1458744	10-67	1 305	23,200	3.81	884	11	19,260	3.51	676	1-70	36	891	.03	36	53
47-70-0018	7018266	1244009	12-66	2 304	18,115	3.73	675	11	12,375	3.56	440	3-70	40	1,004	-.02	33	53
47-70-9036	6578795	1365341	4-66	2 305	21,280	3.62	770	24	16,100	3.74	602	10-69	40	1,029	-.03	32	53
47-76-0002	5836099	1173577	1-63	4 305	20,413	3.36	686	19	14,638	3.72	544	5-69	42	979	-.10	20	42
47-79-0030	5359775	1179372	1-61	7 280	17,889	3.49	625	8	13,839	3.64	504	1-70	44	726	-.01	24	39
47-79-9010	6705671	1333706	11-66	1 225	18,250	3.59	655	22	13,230	3.43	454	12-68	8 34	746	-.03	22	38
47-80-0044	6989265	1467006	2-68	1 305	18,110	3.73	676	7	13,300	3.88	516	2-70	31	729	-.02	23	38
47-80-0045	6288824	1389191	1-65	2 305	19,575	3.19	625	5	13,145	3.67	483	8-69	30	904	-.11	17	38
47-80-9012	5434469	1360617	10-61	6 301	17,587	4.38	771	17	14,452	3.87	559	11-69	35	515	.12	36	43
47-80-9037	6508993	1426683	9-65	2 280	18,375	3.95	725	13	13,985	3.67	513	5-69	30	546	.05	27	37
47-82-0015	6951359	1261857	10-67	1 305	17,950	3.98	715	14	15,710	3.62	569	3-70	36	650	.10	38	48
48-02-9001	6534719	1466179	4-66	2 305	19,145	3.30	632	12	13,315	3.37	449	7-69	31	1,218	-.04	38	63
48-02-9001	6534720	1466179	4-66	2 305	21,195	3.22	682	12	13,560	3.38	459	7-69	31	1,432	-.06	42	72
48-02-9001	6622231	1466179	3-66	2 305	20,270	3.24	657	12	13,560	3.38	459	7-69	31	1,324	-.06	39	67
48-02-9001	6622232	1466179	7-66	2 305	18,315	3.33	610	25	15,365	3.32	510	11-69	31	905	-.02	29	48
48-02-9001	6695098	1466179	7-66	2 305	24,535	3.21	788	34	16,010	3.33	533	1-70	31	1,565	-.06	47	80
48-02-9001	6695099	1466179	8-66	2 299	19,830	3.17	629	19	13,665	3.37	461	7-69	31	1,261	-.06	36	63
48-02-9001	6695101	1466179	9-66	1 305	23,850	3.19	761	33	15,720	3.35	527	1-69	26	1,305	-.05	39	66
48-02-9001	6695102	1466179	9-66	1 305	20,200	3.35	677	33	15,720	3.35	527	1-69	26	987	-.02	32	52
48-02-9001	6695103	1466179	9-66	1 305	21,730	3.29	716	33	15,720	3.35	527	1-69	26	1,121	-.04	35	58
48-02-9001	6695104	1466179	1-67	1 284	21,340	3.22	687	27	16,120	3.29	531	12-69	26	1,055	-.04	32	54
48-02-9001	6753389	1466179	11-66	1 305	19,700	3.54	697	34	16,470	3.30	544	1-70	26	885	.00	32	50
48-02-9001	6955302	1466179	4-67	1 305	21,460	3.26	699	31	15,440	3.35	518	3-69	26	1,119	-.04	34	57
48-02-9001	6955303	1466179	8-67	1 305	19,890	3.53	702	34	16,470	3.30	544	1-70	26	902	.00	32	50
48-03-9106	6055749	1361770	11-63	4 300	17,365	3.37	585	28	12,682	3.56	451	9-69	34	795	-.04	23	40
48-03-9106	6469463	1330987	8-65	3 298	16,537	3.76	621	24	13,857	3.43	475	3-70	42	620	.07	33	43
48-03-9118	6827729	1357743	10-66	2 305	21,780	3.27	712	26	13,000	3.41	443	11-69	40	1,002	-.06	27	48
48-05-0003	6436164	1283917	9-64	4 305	21,192	2.94	622	10	14,837	3.42	508	2-70	44	1,043	-.16	14	39
48-05-0003	6994931	1458744	11-66	1 291	18,860	3.19	601	20	16,320	3.31	541	1-70	36	765	-.02	24	40
48-05-0003	6994932	1458744	2-67	2 305	20,100	3.66	736	15	15,705	3.33	523	2-70	40	989	.03	40	59
48-05-0003	6994933	1458744	2-67	1 305	19,980	3.17	633	10	16,120	3.24	522	3-70	36	862	-.03	27	45
48-05-0003	6994935	1458744	4-67	1 305	16,860	3.61	608	11	14,290	3.42	489	8-69	36	752	.01	28	43
48-07-9019	5313190	1313072	11-60	4 305	18,148	4.05	735	14	14,540	3.55	516	1-70	37	522	.13	37	44
48-07-9019	5582091	1313072	12-61	4 305	18,223	3.84	699	15	14,720	3.60	530	3-70	37	510	.08	30	38
48-08-9003	5535156	1128307	1-59	4 300	19,970	3.96	791	29	15,310	3.70	567	6-69	42	664	.10	39	50
48-08-9003	5853005	010265607	10-60	4 304	18,590	4.10	763	29	14,862	3.69	549	2-69	38	832	.09	44	58
48-08-9003	6380469	1237057	7-65	3 305	24,290	3.51	852	54	15,103	3.75	566	10-69	42	1,357	-.07	38	67
48-08-9003	6380470	1406271	7-65	3 305	20,996	3.89	816	54	15,423	3.79	585	12-69	42	1,075	.05	47	67
48-08-9003	6448863	1292880	11-65	3 305	20,073	4.22	847	46	15,397	3.77	580	3-70	42	472	.11	33	40
48-08-9003	6887688	1483723	5-67	1 305	19,600	3.74	733	44	14,900	3.71	553	6-69	24	616	.02	25	37
48-08-9003	6887693	1483723	8-67	1 305	30,690	3.53	1082	44	15,310	3.70	566	10-69	24	1,570	-.01	55	86
48-08-9003	6944577	1483844	9-67	1 305	25,040	3.57	895	43	16,040	3.70	593	2-70	26	1,023	-.03	33	54
48-09-9019	4908035	967873	9-57	4 305	19,133	3.57	683	8	13,265	3.64	483	7-69	44	943	-.03	29	49
48-09-9019	6865573	1261857	12-66	1 305	15,080	4.06	613	17	12,130	3.69	447	6-69	36	677	.09	38	49
48-10-0016	5780548	1179372	9-61	5 305	18,908	3.60	681	31	14,388	3.57	513	6-69	44	794	.02	31	46
48-10-0016	6761592	1261857	11-66	1 305	21,200	3.14	665	21	14,820	3.60	533	5-69	36	952	.01	36	55
48-10-0016	6761595	1261857	12-66	1 305	21,090	3.86	815	21	14,820	3.60	533	5-69	36	944	.09	47	64
48-13-0020	6978713	1430621	12-66	1 294	16,540	3.91	646	16	11,920	3.50	417	1-70	23	615	.04	28	39
48-13-0059	7022979	1386406	2-68	1 305	18,030	3.54	639	10	11,600	3.57	414	2-70	36	790	.00	29	45
48-13-9051	5932786	1415015	9-63	4 305	20,117	3.43	690	12	14,825	3.54	525	7-69	35	1,000	-.01	34	54
48-13-9051	6077262	1415015	1-64	3 305	17,760	3.60	640	10	14,066	3.61	508	10-68	33	730	.01	28	42
48-13-9051	6180517	1415015	12-64	3 305	18,660	3.76	702	7	14,940	3.57	534	8-69	33	745	.04	33	47
48-13-9051	6469482	1415015	8-65	2 305	21,150	3.24	686	8	14,785	3.50	517	2-69	30	1,005	-.04	31	52
48-13-9051	6469483	1415015	9-65	3 305	20,850	3.76	785	11	15,780	3.59	566	1-70	33	936	.04	40	57
48-13-9051	6512497	1447044	11-65	2 224	17,140	3.56	611	12	15,075	3.38	510	7-69	30	647	.00	24	37
48-13-9051	6831422	1488261	1-67	1 305	20,010	3.38	677	18	14,370	3.59	516	7-69	25	733	-.01	25	40
48-13-9051	6831425	1488261	2-67	1 305	18,860	3.59	677	15	13,220	3.62	479	8-69	25	723	.01	27	41
48-13-9051	6831426	1488261	3-67	1 305	20,260	3.71	751	20	16,300	3.59	585	1-70	25	602	.03	26	37
48-14-0001	5601982	1281874	7-61	7 305	20,844	3.73	778	34	13,406	3.92	525	11-69	44	1,000	-.03	31	52
48-14-0028	6660387	1367055	10-66	2 305	21,885	3.84	840	27	14,330	3.68	528	12-69	40	746	.03	31	45
48-14-0035	6781813	1261857	9-66	2 305	16,985	4.02	682	22	15,465	3.89	601	9-69	40	611	.08	34	44
48-14-0040	6106462	1199324	10-63	4 303	17,145	3.84	658	28	14,390	3.82	549	10-68	44	799	.00	29	45
48-14-0045	7152546	1458744	8-67	1 305	21,060	3.65	769	10	12,420	3.86	480	1-70	36	1,191	-.02	40	64
48-14-0045	7152547	1458744	10-67	1 305	20,680	3.40	704	7	13,980	3.74	523	2-70	36	1,058	-.04	32	54
48-14-0045	7152550	1458744	10-67	1 305	19,740	3.02	597	7	13,980	3.74	52						

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK FAT (L8) (%)	I N O E X..... FAT (L8)	..... OOL- LARS		
48-20-9015	6178477	1237057	9-64	4 303 19,993 3.57 714	8 14,600 3.79 554	10-69	44	954	-.06	25	\$ 46
48-21-0027	6764991	1477266	4-66	1 296 17,530 3.61 633	7 10,080 3.49 352	9-69	23	859	.01	32	49
48-21-0099	6604207	1466819	8-66	1 305 24,670 3.18 785	5 15,480 3.25 503	12-69	19	888	-.03	27	45
48-22-0038	7017360	1222994	3-68	1 305 21,700 3.06 664	15 14,940 3.38 505	12-69	36	832	-.05	23	41
48-22-0081	6179153	1405531	7-64	3 235 23,896 3.18 761	7 17,240 3.46 596	3-69 8	34	958	-.07	24	45
48-22-9064	6494144	1450228	3-66	2 305 20,190 3.40 686	17 13,705 3.44 471	7-69	37	1,337	-.04	42	70
48-23-0023	6751413	1441048	2-66	2 299 20,490 3.87 792	19 13,125 3.73 490	7-69	39	939	.05	41	58
48-23-9001	5494462	1367353	12-61	4 305 22,185 3.67 814	10 16,672 3.56 593	5-69	42	826	.04	36	51
48-23-9001	5494466	1367353	12-61	4 305 20,902 3.73 780	11 15,450 3.65 564	1-69	42	803	.04	35	50
48-23-9001	5731109	1367353	10-62	4 305 20,705 3.82 791	10 17,340 3.44 597	8-69	42	564	.08	32	41
48-23-9019	5416118	1296751	1-61	6 297 19,302 3.76 725	25 15,225 3.82 582	6-69	39	692	.00	25	39
48-23-9042	5814295	1233487	12-62	5 301 20,444 3.53 721	23 14,214 3.79 538	4-69	44	775	-.01	26	42
48-23-9042	6281948	1432115	12-64	3 305 19,116 3.66 700	22 13,740 3.81 523	10-69	33	686	-.01	24	38
48-23-9046	6651853	1355784	9-65	2 305 20,260 4.00 811	8 17,370 3.78 656	6-69	40	810	-.02	26	43
48-23-9046	6892933	1450228	11-66	1 305 20,830 3.80 792	11 17,280 3.88 671	2-69	33	1,004	-.03	32	53
48-24-0002	6209791	1430094	8-64	4 305 18,895 3.32 627	10 14,150 3.55 502	8-69	33	801	-.05	21	38
48-24-0002	6209799	1430094	11-64	4 298 18,507 3.40 630	10 14,077 3.54 499	7-69	33	754	-.04	22	38
48-24-0002	6209800	1430094	11-64	4 300 18,272 3.79 692	8 14,580 3.56 519	12-69	33	654	.04	29	41
48-25-0036	6193644	1402207	7-64	3 304 17,586 3.55 624	10 12,866 3.49 449	12-68	34	731	.04	32	46
48-26-0033	5941963	1393854	7-63	5 292 19,118 3.57 683	24 15,142 3.63 550	11-69	42	752	.02	30	44
48-26-0033	6026038	1393854	8-63	5 305 20,028 3.49 699	17 15,674 3.59 562	4-70	42	810	.01	31	47
48-26-0033	6828375	1393854	11-65	2 305 26,460 3.33 880	21 15,420 3.59 553	1-70	38	1,401	-.02	48	76
48-26-0033	6990380	1393854	7-66	2 305 20,950 3.51 735	6 15,915 3.58 569	4-69	38	772	.02	31	46
48-26-0033	7171224	1491888	11-66	1 305 23,190 3.61 838	35 15,450 3.63 561	12-68	19	750	.00	27	42
48-26-9004	5542952	1389064	1-62	5 305 22,044 3.45 760	32 17,360 3.52 611	2-69	34	787	-.02	25	41
48-26-9004	5682007	1333410	7-62	6 302 22,288 3.42 763	40 17,865 3.52 628	10-69	35	776	-.02	25	41
48-26-9004	6335160	1433340	3-65	3 299 21,773 3.44 750	41 17,683 3.56 630	10-69	33	761	-.02	24	40
48-26-9004	6638596	1433340	4-66	2 305 24,190 3.59 869	23 18,390 3.51 645	5-69	30	914	.01	35	53
48-26-9004	6638599	1433340	5-66	2 302 22,605 3.56 805	31 17,365 3.56 618	7-69	30	836	.00	30	47
48-26-9004	6887376	1483720	5-67	1 305 24,020 3.58 859	59 18,760 3.57 669	11-69	22	698	.00	25	39
48-26-9004	7085703	1496636	2-68	1 305 23,010 3.55 818	32 19,260 3.50 675	2-70	29	659	.03	28	40
48-26-9010	5672213	1181068	12-61	3 305 24,900 3.44 856	27 18,490 3.60 665	12-68	42	900	-.03	28	47
48-26-9010	6484808	1352927	5-65	3 305 22,623 3.58 809	22 18,153 3.55 645	6-69	41	754	-.01	25	40
48-26-9010	6577525	1465173	10-65	2 305 23,240 3.51 815	24 19,265 3.58 690	4-69	29	688	-.01	23	37
48-26-9010	6577527	1439097	10-65	2 305 23,235 3.55 824	26 18,670 3.63 678	11-68	39	794	-.02	25	41
48-31-0005	6998601	1496636	1-68	1 305 16,900 3.61 610	9 12,920 3.48 450	8-69	29	625	.03	27	39
48-31-0031	6654797	1330987	5-66	3 302 19,570 3.15 616	9 15,120 3.22 487	4-70	42	838	.01	31	47
48-34-9010	6600910	1439097	4-66	1 305 19,470 3.75 730	35 13,860 3.87 537	9-68	35	719	-.02	23	38
48-34-9010	6988080	1496636	10-67	1 305 19,090 3.64 695	38 15,240 3.60 549	10-69	29	634	.03	27	39
48-34-9023	5370491	1018315	3-60	5 294 18,410 4.05 745	25 15,228 3.78 576	10-69	44	720	.06	35	48
48-34-9023	5992663	1302555	10-63	4 301 18,235 4.10 748	21 14,800 3.80 562	5-69	37	443	.12	33	39
48-34-9023	6533051	1468623	4-66	2 291 19,870 3.74 744	31 14,170 3.87 548	10-69	25	724	.00	26	40
48-34-9023	7085968	1406271	1-67	1 305 20,020 3.94 788	19 15,220 3.84 584	3-69	36	826	.05	37	52
48-44-0018	6861456	1479824	8-67	1 305 18,610 3.42 637	11 12,840 3.65 469	12-69	33	615	.02	25	37
48-44-0030	6981858	1476267	1-67	1 305 20,020 3.51 702	11 13,740 3.73 512	4-69	23	652	.01	25	38
48-44-0102	5654862	1361064	8-62	4 303 18,350 3.43 630	60 12,983 3.64 473	2-70	35	796	-.04	23	40
48-44-0102	5804684	1361064	12-62	4 305 18,110 3.56 645	46 13,413 3.64 488	2-70	35	706	-.02	23	37
48-44-0102	6452172	1431036	9-65	1 305 17,990 4.26 766	96 11,700 3.69 432	10-69	19	577	.07	31	41
48-44-0133	5648465	1367353	9-62	4 305 18,857 3.80 716	12 14,200 3.80 539	9-68	42	687	.04	30	43
48-44-0133	6258527	1406271	3-64	4 269 19,207 3.87 743	10 15,250 3.79 578	12-69 8	44	912	.05	40	57
48-44-0133	6258539	1437361	8-63	3 294 20,240 3.60 729	10 14,866 3.71 552	9-69 8	33	748	.03	31	45
48-44-0164	7016784	1485789	4-67	1 305 21,490 3.75 806	21 15,700 3.61 567	11-69	24	657	.00	24	37
48-44-0173	6995640	1261857	10-67	1 305 17,590 3.59 631	19 13,070 3.78 494	12-69	36	801	.05	36	51
48-44-9071	6959671	1261857	11-66	1 305 20,550 3.60 740	19 15,080 3.59 542	11-68	36	886	.06	41	57
48-45-0023	6305026	1249430	3-64	2 305 22,425 3.47 779	40 15,555 3.93 612	11-68	40	818	-.04	23	40
48-45-0082	6211925	1404814	12-64	3 301 19,820 3.64 722	17 15,690 3.62 568	3-69	34	880	.03	36	53
48-45-0100	6876438	1291498	9-66	1 305 25,730 3.86 994	9 15,360 3.54 544	3-69	36	952	.01	36	55
48-45-9029	5980852	1430476	8-63	4 305 18,227 3.93 716	25 14,465 3.64 527	8-69	35	575	.04	27	37
48-45-9029	6762384	1367353	10-66	1 305 21,740 3.97 864	25 14,180 3.80 539	5-69	35	690	.06	33	45
48-46-9010	5947085	1404814	12-63	2 305 18,030 3.95 712	26 15,650 3.70 579	4-69	32	621	.07	32	43
48-46-9010	6007129	1404814	3-64	4 304 19,362 3.56 689	18 16,447 3.70 608	4-70	36	753	.01	28	43
48-46-9010	6100567	1404814	4-64	4 305 23,010 3.57 821	25 15,930 3.72 592	2-70	36	1,329	.00	48	74
48-46-9010	6359978	1404814	9-65	3 303 19,536 3.53 689	24 16,623 3.70 615	1-70	34	733	.00	26	41
48-46-9010	6447463	1404814	12-65	2 305 18,730 3.83 717	21 16,305 3.70 603	4-69	32	634	.05	30	41
48-46-9010	6649684	1404814	6-66	2 305 20,670 3.40 703	32 16,150 3.74 604	1-70	32	874	-.02	28	46
48-46-9010	6771351	1404814	4-67	1 305 17,600 4.06 715	19 15,520 3.68 571	6-69	26	547	.07	30	39
48-50-0030	6566488	1331709	1-66	3 301 22,407 3.12 700	57 15,247 3.64 555	2-70	42	1,109	-.11	23	48
48-50-0030	6613824	1261857	4-66	2 305 16,735 3.57 597	80 14,630 3.53 517	3-69	40	662	.06	33	45
48-50-0030	6650410	1261857	6-66	2 305 15,395 3.61 555	72 13,700 3.47 476	7-69	40	611	.08	33	43
48-50-0030	6650411	1261857	6-66	2 305 15,740 3.74 588	91 14,065 3.49 491	6-69	40	613	.08	34	44
48-50-0030	6650416	1261857	9-66	2 305 16,715 3.80 636	54 15,215 3.65 555	12-69	40	607	.08	33	43
48-50-0030	6650417	1261857	9-66	2 305 17,390 3.90 678	53 15,080 3.66 552	12-69	40	688	.09	38	49
48-50-0030	6668230	1261857	10-66	2 305 15,815 3.49 552	70 13,845 3.52 488	9-69	40	641	.05	31	42
48-50-0030	6790598	1261857	12-66	1 305 18,480 3.57 659	50 15,320 3.62 555	11-69	36	716	.06	34	47
48-50-0030	7027547	1261857	10-67	1 305 18,850 3.81 719	49 15,400 3.64 560	12-69	36	738	.08	39	52
48-50-0030	7027553	1261857	11-67	1 286 17,380 3.58 623	50 15,320 3.62 555	11-69	36	634	.06	32	43
48-68-9009	5149873	1336817	8-60	6 305 17,312 4.02 696	21 14,650 3.73 547	3-70	36	552	.07	30	39
48-68-9009	5660438	1359871	8-62	4 305 18,975 3.88 736	18 13,952 3.71 517	9-68	35	787	.06	37	51
48-68-9009	5717036	1359871	10-62	4 305 19,170 4.04 774	16 15,082 3.66 552	2-70	35	670	.09	38	49
48-68-9022	5998029	1408354	12-63	2 305 20,145 3.33 670	25 13,555 3.55 481	7-69	32	836	-.01	29	46
48-68-9022	6340781	1407549	2-65	3 304 18,810 3.98 749	20 14,296 3.53 505	5-69	33	667	.07	35	46
48-68-9022	6710447	1466179	8-66	1 297 18,760 3.74							

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUM8ER	SIRE NUM8ER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS	MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C OC O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	..OOL- LARS
48-72-0063	6158857	1359919	11-64	3 301	18,593	3.25	604	8 12,616	3.42	431	9-69	34	793	-.04	22	\$ 39	
48-72-9001	6717436	1458744	11-66	2 206	17,290	3.62	626	21 14,065	3.59	505	11-69	8 40	853	-.01	30	47	
48-75-0016	7044266	1458744	1-68	1 305	16,140	3.98	643	5 13,140	3.36	442	3-70	36	776	.03	33	48	
48-77-0034	6667044	1458744	12-66	1 305	21,040	3.60	757	26 13,470	3.65	492	8-69	36	1,119	-.02	38	61	
48-77-0034	6667045	1458744	12-66	2 305	19,435	3.11	605	26 14,970	3.42	512	3-70	40	988	-.06	27	48	
48-77-0034	6956749	1458744	7-67	1 305	18,340	3.36	616	33 15,720	3.30	518	1-70	36	767	-.01	26	41	
48-77-0034	6956750	1458744	12-67	1 305	17,740	3.47	615	32 15,820	3.25	514	2-70	36	715	.00	26	40	
48-77-0040	5464124	1275764	9-61	4 297	19,038	3.42	652	16 14,475	3.54	512	4-69	39	809	-.03	25	42	
48-77-9013	5394537	1343995	4-61	6 305	18,096	3.83	693	20 14,841	3.70	549	2-69	41	581	.04	27	37	
48-77-9047	6633644	1234506	10-65	3 305	22,837	3.38	772	25 17,203	3.59	617	10-69	42	1,010	-.10	22	44	
48-79-0004	5960900	1388039	7-63	4 292	16,755	4.00	670	24 13,298	3.74	497	10-69	33	583	.05	29	39	
48-79-0054	6642809	1406271	10-65	3 278	17,076	3.50	598	11 14,750	3.74	551	10-69	42	694	.00	25	39	
48-79-9007	6574923	1408359	5-64	4 299	23,242	3.63	844	9 15,097	3.62	546	10-69	35	1,294	.00	46	72	
48-79-9007	6701535	1408359	2-65	3 301	21,066	3.84	808	11 15,410	3.58	552	11-69	33	887	.04	38	55	
48-79-9009	5290766	010229512	10-58	2 305	19,685	3.75	739	14 15,680	3.78	593	6-69	40	536	.07	29	38	
48-79-9009	6382332	1406271	6-65	2 250	19,475	3.93	766	16 15,440	3.81	589	10-68	8 40	856	.05	39	55	
48-79-9014	5978765	1392858	9-63	4 274	23,937	3.48	834	21 16,890	3.72	628	1-70	8 42	1,157	-.01	40	63	
48-79-9017	6997778	1406271	3-66	2 305	17,740	3.30	585	33 14,515	3.64	528	10-69	40	764	-.01	26	41	
48-79-9017	7023614	1406271	7-66	2 305	16,775	4.19	703	33 14,515	3.64	528	10-69	40	666	.10	38	49	
48-79-9038	5698721	1383551	11-62	4 305	20,703	3.84	794	21 15,263	3.70	564	5-69	43	789	.02	31	46	
48-79-9038	6291242	1435264	2-65	3 305	22,113	3.53	781	18 15,673	3.82	599	1-69	30	1,057	-.05	31	53	
48-79-9038	6726599	1458744	11-66	1 305	17,940	3.77	677	28 15,830	3.85	609	2-69	36	730	-.01	25	40	
48-79-9038	6837124	1458744	5-67	1 305	17,440	4.32	753	30 15,070	3.83	577	7-69	36	743	.04	32	46	
48-79-9038	7016780	1357743	7-66	2 305	20,080	4.33	869	24 15,775	3.68	581	4-69	40	576	.07	31	41	
48-80-9030	6064590	1330987	3-64	3 298	20,527	3.36	690	20 16,237	3.62	588	5-69	42	833	-.01	29	46	
48-80-9030	6097418	1330987	3-64	3 301	18,383	3.54	651	19 14,947	3.67	549	7-69	42	720	.02	29	43	
48-80-9030	6314708	1330987	4-65	3 302	20,993	3.56	748	26 14,660	3.61	529	11-69	42	1,049	.03	42	62	
48-80-9030	6393581	1330987	10-65	2 290	20,350	4.19	852	24 15,360	3.67	564	5-69	40	845	.11	47	61	
48-81-0059	6858312	1383311	12-66	1 305	22,310	3.32	740	18 15,440	3.58	553	7-69	36	767	-.05	20	37	
48-81-0061	5890251	1313490	4-63	3 300	20,667	3.48	719	29 15,240	3.74	570	11-68	42	855	-.06	22	40	
48-81-0061	6763431	1357743	10-66	2 292	21,920	3.61	792	20 15,315	3.80	582	11-69	40	805	-.04	23	40	
48-81-0064	5709592	1199324	7-61	5 305	16,940	3.51	594	22 14,362	3.53	507	7-69	44	785	-.02	26	42	
48-81-0064	6688310	1458744	7-66	1 305	18,190	3.99	726	21 15,130	3.68	557	5-69	36	795	.02	32	47	
48-81-0064	6895570	1458744	1-67	1 305	17,750	3.66	649	22 15,490	3.91	606	11-69	36	738	-.02	23	38	
48-81-0064	6895571	1458744	1-67	1 305	17,100	3.71	635	23 15,120	3.98	602	1-70	36	715	-.03	22	37	
48-81-0064	6907134	1458744	8-66	1 305	20,030	3.49	700	19 13,990	3.65	511	7-69	36	1,009	-.02	33	54	
48-81-0064	6907135	1458744	9-66	1 305	21,350	3.56	759	20 15,000	3.98	597	2-70	36	1,039	-.04	32	54	
48-81-0073	5490193	1313490	11-61	5 305	18,828	3.97	748	10 15,420	3.66	565	3-70	44	667	.03	28	41	
48-81-9035	6921634	1450228	9-67	1 305	17,360	3.81	662	13 14,930	4.17	622	9-69	33	897	-.05	25	44	
48-82-0012	6379209	1330987	3-65	3 300	18,210	3.67	669	5 12,277	3.86	474	12-69	42	976	.02	38	57	
48-82-0026	6580205	1458744	4-66	2 305	18,420	3.88	714	23 14,410	3.87	557	12-69	40	937	.00	34	53	
48-82-0026	6580206	1458744	4-66	2 305	15,520	3.94	611	22 13,855	3.88	538	11-69	40	693	.01	26	40	
48-82-9016	6122695	1406271	8-64	3 305	19,996	3.26	652	15 16,826	3.64	612	5-69	42	815	-.03	25	42	
48-82-9016	6269133	1406271	3-65	3 305	19,390	3.38	656	14 15,526	3.66	569	8-69	42	879	-.01	30	48	
48-82-9016	6450885	1406271	1-66	2 296	19,560	3.33	652	15 16,935	3.59	608	3-69	40	728	-.01	25	40	
48-82-9016	6595944	1450228	8-66	2 305	20,170	3.44	693	20 16,350	3.63	594	12-69	37	1,082	-.05	31	54	
48-82-9016	6726598	1458744	11-66	1 305	18,710	3.70	693	15 16,800	3.61	607	7-69	36	722	.00	26	40	
48-83-0042	5181252	1316539	9-60	4 305	20,510	3.33	682	21 14,772	3.29	486	4-69	36	874	-.02	28	46	
48-86-0021	6140984	1244845	10-64	3 305	19,653	3.22	633	22 14,397	3.42	492	4-69	42	830	-.07	20	38	
48-86-0021	6353559	1244845	8-65	3 304	22,180	3.55	787	15 13,930	3.32	462	8-69	42	1,169	-.01	41	64	
48-86-0021	7037023	1496636	1-68	1 305	18,180	3.60	654	32 14,740	3.13	461	11-69	29	595	.06	30	40	
48-86-9026	5539291	1309348	9-61	6 303	21,492	3.27	702	17 16,245	3.45	561	1-70	36	968	-.05	28	48	
48-86-9026	5933686	1283917	8-63	4 305	22,515	3.35	754	21 17,342	3.36	582	12-69	44	928	-.08	22	42	
48-86-9026	6630214	1451149	9-66	1 305	24,040	2.77	667	41 16,360	3.39	555	9-69	26	979	-.12	18	40	
48-88-0054	6972998	1261857	7-67	1 305	21,860	3.40	743	19 16,210	3.67	595	11-69	36	908	.04	38	55	
48-88-0076	4976982	1210507	6-59	4 305	17,350	3.62	628	5 12,933	3.59	464	2-70	42	956	-.07	24	45	
48-88-9031	6321494	1392644	1-65	3 305	23,027	3.31	762	9 15,003	3.77	565	5-69	32	1,211	-.09	30	56	
48-89-0013	6471361	1244009	8-64	4 305	19,365	3.32	642	12 13,085	3.62	474	8-69	44	1,178	-.08	30	55	
48-89-0013	6606578	1244009	1-64	3 303	17,920	3.57	640	12 12,757	3.67	468	9-68	42	1,003	-.05	29	50	
48-89-0013	6606579	1244009	1-64	4 303	18,493	3.61	668	13 13,225	3.61	478	11-69	44	1,054	-.03	33	55	
48-89-0025	6789424	1458744	2-67	1 305	18,640	3.40	634	19 13,570	3.53	479	3-69	36	933	-.02	30	49	
48-89-0032	7090197	1406271	4-68	1 305	17,090	3.70	633	7 14,560	3.60	524	3-70	36	652	.04	30	42	
48-89-9014	6573206	1320371	2-66	2 305	21,350	3.29	703	40 14,545	3.55	517	1-69	40	941	-.05	27	47	
48-89-9014	6781894	1465173	7-66	2 305	19,190	3.47	665	33 13,745	3.72	511	9-69	29	798	-.03	24	41	
48-89-9015	5035271	1250793	1-60	3 305	20,070	3.78	759	34 13,953	3.56	497	12-68	34	879	.07	42	58	
48-91-0054	6949600	1261857	11-67	1 305	16,640	3.67	610	20 14,650	3.71	544	12-69	36	624	.06	31	42	
48-91-0054	6949601	1261857	12-67	1 305	18,240	3.61	659	18 14,980	3.64	546	1-70	36	721	.06	35	48	
48-91-0081	6229155	1244009	12-64	3 305	20,950	3.46	724	33 15,797	3.72	587	3-70	42	1,037	-.07	27	49	
48-91-0081	6280203	1244009	8-64	4 305	19,620	3.51	688	34 15,865	3.69	586	12-69	44	900	-.06	23	42	
48-91-0081	6280204	1244009	1-65	3 301	21,337	3.50	746	33 15,203	3.78	574	9-69	42	1,143	-.07	30	55	
48-91-9031	5825341	1271810	2-63	4 305	20,817	3.34	696	19 14,895	3.76	560	12-69	44	1,046	-.10	23	46	
48-91-9031	7004415																

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	..STRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8)	I N O E X..... FAT FAT (L8) (L8)	DOL- LARS
48-95-9043	6726589	1406271	8-66	1 301 18,190 3.51 639	16 14,340 3.83 549	2-69 36	749	.01 28	\$ 43
48-95-9043	6888613	1472489	1-67	1 305 18,910 3.38 640	20 12,370 3.77 466	10-69 23	822	-.05 22	40
48-96-9011	6408285	1406271	10-65	3 303 16,450 4.15 683	22 14,780 3.65 540	12-69 42	618	.09 36	46
48-97-0016	6500110	1324256	8-65	3 293 22,013 3.57 785	32 14,253 3.65 520	2-70 33	1,074	-.01 37	59
48-97-0016	6881621	1391173	5-67	1 305 20,580 3.73 768	29 13,940 3.74 522	10-69 35	706	-.02 22	37
48-97-0016	6881625	1391173	7-67	1 305 23,880 3.38 808	33 15,150 3.80 575	12-69 35	873	-.06 22	41
48-97-0016	6881632	1391173	8-67	1 305 24,950 3.43 856	29 14,170 3.71 525	11-69 35	1,020	-.05 29	51
48-97-0016	6881633	1391173	9-67	1 305 26,690 3.54 946	30 15,080 3.75 566	2-70 35	1,089	-.04 33	56
48-97-0037	5854031	1179372	10-62	5 300 19,404 3.79 736	10 16,542 3.48 575	8-69 44	608	.06 30	41
48-97-0037	6394118	1406271	8-65	2 305 22,285 3.20 713	9 15,170 3.57 542	7-69 40	1,166	-.03 38	62
48-97-9030	6177116	1237057	8-64	4 301 19,050 3.37 642	24 14,933 3.48 519	12-69 44	800	-.06 20	37
48-97-9030	6213609	1437417	11-64	3 305 21,143 3.36 710	20 15,217 3.51 534	8-69 29	863	-.03 26	44
48-97-9030	6556130	1406271	12-65	1 305 19,800 3.73 738	16 15,560 3.57 555	4-69 36	787	.04 35	49
48-97-9030	7062233	1458744	11-67	1 305 20,980 3.17 666	21 16,880 3.44 580	2-70 36	886	-.04 26	45
48-99-0027	6193243	1391173	10-64	3 305 24,383 3.32 809	23 16,687 3.39 565	3-69 42	1,114	-.05 32	55
50-10-0001	6291977	1320310	12-64	4 305 18,233 3.47 632	14 15,158 3.85 583	2-70 43	987	-.09 22	44
50-10-0007	6179477	1320310	11-64	3 305 21,807 3.43 748	15 16,757 3.69 618	11-68 42	1,224	-.08 32	58
50-10-0007	6491284	1320310	10-65	2 305 22,500 3.58 805	13 16,805 3.55 597	2-69 40	1,233	-.04 38	64
50-10-0007	6491285	1320310	10-65	3 305 21,013 3.47 730	9 15,797 3.72 587	1-70 42	1,232	-.08 33	59
50-10-0007	6491287	1320310	11-65	2 305 18,990 4.18 793	13 16,565 3.52 583	2-69 40	897	.04 38	55
50-10-0007	6746307	1300014	12-66	1 305 26,610 3.54 942	11 16,630 3.63 603	4-69 36	1,063	-.08 27	50
50-10-0007	6779820	1320310	11-66	2 303 26,145 3.54 925	12 16,610 3.73 620	9-69 40	1,623	-.06 49	83
50-10-0007	6887587	1320310	4-67	1 296 19,160 3.30 633	12 16,320 3.58 584	6-69 35	897	-.07 22	42
50-10-0013	6275394	1320310	2-65	3 303 19,097 3.60 687	16 13,407 4.11 551	5-69 42	1,259	-.09 32	59
50-10-0014	6464068	1320310	9-65	3 305 18,923 3.55 671	43 15,250 3.59 547	11-69 42	1,046	-.04 31	53
50-10-0014	6464070	1320310	9-65	2 305 18,660 3.41 636	47 14,920 3.61 538	9-69 40	1,015	-.06 27	49
50-10-0014	6464071	1320310	12-65	2 305 20,590 3.49 719	30 15,270 3.66 559	1-70 40	1,179	-.06 33	58
50-10-0014	6893560	1320310	9-67	1 305 17,780 3.57 634	32 15,420 3.52 543	12-69 35	854	-.05 24	42
50-10-0020	5395967	1199324	8-61	6 304 18,296 3.54 648	24 15,060 3.77 568	7-69 44	879	-.05 25	44
50-10-0027	6885691	1347940	8-67	1 305 15,540 3.53 548	26 13,190 3.82 504	9-69 36	739	-.02 23	38
50-10-0027	6920190	1320310	12-67	1 305 15,880 4.23 672	28 13,060 3.81 497	10-69 35	871	-.01 30	48
50-10-0066	5555723	1189870	2-62	5 278 21,462 3.08 660	19 16,026 3.60 577	2-69 44	942	-.09 20	41
50-10-0074	5768274	1189870	2-63	5 303 18,186 3.50 636	35 14,020 3.89 545	10-69 44	752	-.04 21	37
50-10-0074	6316762	1362327	8-64	4 305 19,695 3.74 736	46 14,212 3.89 553	10-69 37	886	-.03 28	46
50-10-0074	6699686	1320310	9-66	2 305 19,170 3.82 732	39 14,665 3.84 563	12-69 40	1,090	-.04 34	57
50-10-0074	6699687	1320310	10-66	2 295 18,255 3.93 717	42 13,890 3.82 530	8-69 40	1,068	-.02 36	58
50-10-0074	6699691	1309574	11-66	2 299 19,760 3.72 735	33 15,265 3.90 596	2-70 40	702	.02 28	41
50-10-0074	6699692	1309574	12-66	2 305 22,255 3.54 788	30 15,045 3.84 578	12-69 40	975	.00 35	54
50-10-0074	6954082	1399824	10-67	1 305 19,420 3.66 710	47 14,670 3.80 558	10-69 36	755	.01 29	44
50-10-0074	6954083	1320310	9-67	1 305 22,160 3.52 780	28 14,930 3.82 571	12-69 35	1,218	-.07 34	60
50-10-0074	7035448	1320310	12-67	1 305 17,500 3.57 625	28 14,930 3.82 571	12-69 35	866	-.06 22	41
50-10-0082	6468187	1320310	9-65	1 305 18,890 3.50 662	15 13,270 3.53 469	4-69 35	1,084	-.05 32	55
50-10-0082	6850697	1320310	10-66	1 305 15,030 3.52 529	19 12,900 3.55 458	6-69 35	817	-.05 22	39
50-10-0082	6850698	1320310	10-66	1 305 15,030 3.42 514	19 12,900 3.55 458	6-69 35	817	-.06 21	39
50-10-0084	7124284	1399824	10-67	1 305 20,400 3.35 684	17 15,700 3.62 568	1-70 36	759	-.01 26	41
50-10-0085	6735815	1441440	9-66	2 291 15,495 3.56 552	23 12,440 3.66 455	9-69 40	698	.01 26	40
50-10-0085	6735820	1320310	1-67	2 292 16,710 3.38 565	17 13,485 3.69 497	12-69 40	948	-.08 23	44
50-10-0085	6771334	1441440	9-66	2 303 15,370 3.42 526	23 12,440 3.66 455	9-69 40	685	-.01 23	37
50-10-0087	5219365	1189870	7-60	7 297 19,364 3.73 722	13 15,939 3.73 595	8-69 44	681	.01 26	39
50-10-0087	5711181	1189870	9-62	5 302 20,586 3.96 815	13 16,460 3.80 626	7-69 44	779	.04 34	48
50-10-0087	5823699	1189870	12-62	5 304 18,360 4.11 754	11 16,274 3.64 593	9-69 44	513	.08 30	38
50-10-0087	6522627	1309574	5-66	2 297 20,950 3.79 794	24 18,125 3.71 673	11-68 40	561	.05 27	37
50-10-0087	6806281	1441440	11-66	2 296 22,370 3.56 796	18 17,865 3.81 680	12-69 40	901	-.02 30	48
50-10-0087	6813142	1399824	1-67	1 305 20,180 4.17 842	23 17,100 3.82 654	7-69 36	649	.06 32	43
50-10-0095	5507868	1189870	3-62	4 305 22,293 3.75 835	10 14,463 3.69 534	12-68 44	1,190	.02 46	69
50-10-0095	6246481	1237057	10-64	4 300 18,390 3.60 662	19 13,748 3.74 514	10-69 44	851	-.05 23	41
50-10-0095	6246482	1320310	10-64	4 300 21,428 3.54 758	16 13,478 3.75 505	12-69 43	1,573	-.06 47	80
50-10-0096	5524767	1286036	8-61	3 305 22,087 3.49 770	12 16,010 3.64 582	5-69 42	970	-.07 25	46
50-10-0096	5524772	1286036	3-61	3 305 21,703 3.42 742	16 16,157 3.80 614	10-69 42	910	-.10 18	39
50-20-0005	6844134	1320310	7-67	1 305 16,110 3.58 577	7 14,230 3.65 519	9-69 35	808	-.05 22	39
50-20-0021	5401551	1342169	8-61	5 304 20,144 3.41 680	32 14,956 3.52 526	6-69 35	1,013	-.04 31	52
50-20-0021	6401543	1438758	7-65	2 293 20,380 3.34 686	48 13,785 3.54 488	10-68 40	1,068	-.10 24	48
50-20-0021	6548822	1450519	12-65	2 305 20,655 3.47 717	33 15,870 3.47 551	12-68 29	728	-.01 25	40
50-20-0021	6548823	1450519	12-65	2 305 20,310 3.43 696	36 15,025 3.55 533	9-69 29	778	-.03 24	40
50-20-0021	7006971	1399824	11-67	1 305 21,380 3.75 801	49 16,320 3.57 582	2-70 36	790	.04 34	49
50-20-0023	6636523	1399824	8-66	1 305 17,260 3.68 635	41 14,250 3.73 531	7-69 36	622	.02 25	37
50-20-0025	5351340	1300348	4-60	5 305 21,720 3.37 731	15 13,008 3.50 455	5-69 35	1,339	-.04 42	70
50-20-0034	6385934	1320310	7-65	3 305 19,497 3.42 666	11 13,180 3.57 470	10-69 42	1,330	-.07 38	66
50-20-0034	6632338	1320310	7-66	2 288 15,605 3.47 542	17 13,385 3.56 476	9-69 40	844	-.05 23	41
50-20-0034	6632339	1320310	6-66	2 297 19,170 3.48 668	7 13,200 3.59 474	11-69 40	1,225	-.05 36	62
50-20-0034	6645896	1320310	7-66	2 305 17,240 3.64 628	14 13,490 3.56 480	6-69 40	1,001	-.03 31	52
50-20-0034	6919199	1320310	6-67	1 299 15,820 3.62 572	18 13,170 3.59 473	9-69 35	859	-.05 24	42
50-20-0034	6919200	1320310	7-67	1 305 20,870 3.58 748	13 13,380 3.59 481	6-69 35	1,226	-.05 37	63
50-20-0034	6941323	1320310	6-67	1 305 15,630 3.65 571	13 13,380 3.59 481	6-69 35	830	-.04 24	41
50-20-0073	5997483	1199324	4-62	5 305 18,126 3.41 619	13 14,694 3.57 525	1-70 44	900	-.04 27	46
50-20-0073	6315297	1199324	6-63	4 305 20,215 3.31 670	11 13,207 3.54 467	10-69 44	1,310	-.05 39	66
50-20-0073	6488316	1199324	2-64	2 305 18,995 3.65 694	12 14,245 3.52 501	10-68 40	965	.00 35	54
50-20-0074	5690712	1217478	10-62	3 305 18,483 3.68 681	14 13,843 3.59 497	11-68 42	646	.06 32	43
50-20-0095	6331909	1320310	7-65	2 305 16,455 3.62 596	14 14,310 3.56 510	11-69 40	846	-.04 25	43
50-20-0095	6368238	1320310	9-65	2 285 16,530 3.54 585	16 14,560 3.59 522	10-69 40	831	-.05 23	41
50-20-0129	5474639	1189870	10-60	6 304 18,213 3.70 673	5 14,340 3.72 534	9-68 44	719	.01 27	41
50-20-0130	6620097	1320310	10-66	2 305 16,670 3.68 614	30 14,215 3.62 515	9-69 40	876	-.04 26	44
50-20-0130	6692105	1320310	11-66	1 305 21,170 3.51 744	11 15,100 3.58 540	4-69 35	1,131	-.05 33	57
50-20-0134	5799184	1382829	11-62	2 305 23,125 3.28 759	16 16,815 3.62 609	1-70 29	1,138	-.09 28	53
50-20-0134	6021769	1189870	11-63	3 305 21,610 3.54 764	10 17,600 3.58 630	3-70 42	725	.00 26	40

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	PRODUCTION. FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C REPT	.....C O W MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	..... OOL- LARS
50-20-0134	6743785	1309574	9-66	1 305	20,910	3.85	805	17 15,430	3.57	551	8-69	36	667	.06	33	\$ 45
50-20-0134	6845184	1309574	6-67	1 305	20,720	3.61	749	21 15,620	3.59	560	9-69	36	640	.03	28	40
50-20-0137	6268944	1320310	6-64	1 305	15,350	3.40	522	6 12,850	3.53	453	10-69	35	845	-.06	22	40
50-20-0139	5243819	1099477	11-60	4 275	19,058	3.55	676	29 13,765	3.88	534	10-69	44	683	-.01	23	37
50-20-0139	5994702	1189870	9-63	4 292	18,280	4.21	770	13 14,323	3.92	562	11-69	44	710	.06	35	47
50-20-0139	6248777	1320310	9-64	4 262	16,240	3.76	610	25 13,905	3.91	543	11-69	43	879	-.05	24	43
50-20-0139	7019365	1399824	8-67	1 305	18,960	3.42	648	34 14,520	3.79	550	8-69	36	731	-.02	24	39
50-30-0009	6121843	1320310	7-64	3 305	17,627	3.74	659	23 13,740	3.79	521	4-69	42	1,053	-.04	32	54
50-30-0009	6361268	1320310	7-65	3 303	15,487	3.67	568	29 13,723	3.83	526	11-69	42	806	-.05	21	38
50-30-0021	6294897	1337741	12-64	3 296	16,547	4.18	692	16 14,097	3.97	560	12-69	42	593	.05	28	39
50-30-0021	6893473	1320310	7-67	1 305	17,250	3.73	643	15 13,120	3.93	515	6-69	35	970	-.05	27	48
50-30-0032	5402795	1348380	3-61	6 297	18,578	3.61	671	13 13,718	3.77	517	6-69	36	742	-.02	24	39
50-30-0032	6534778	1320310	4-66	1 305	18,390	3.55	652	23 14,150	3.65	516	4-69	35	986	-.05	28	49
50-30-0032	6751209	1399824	12-66	2 305	18,300	3.73	682	18 15,040	3.61	543	3-70	40	714	.03	30	43
50-30-0050	6610639	1320310	3-65	3 295	15,097	3.55	536	22 12,597	3.95	498	8-69	42	878	-.08	20	39
50-30-0050	6610640	1320310	3-66	2 305	15,655	3.75	587	26 13,425	3.96	532	10-69	40	845	-.06	22	40
50-30-0058	5354800	1189870	9-60	7 305	16,176	3.76	608	15 12,409	3.77	468	8-69	44	680	.01	26	39
50-30-0058	6121099	1320310	7-64	4 305	15,120	3.90	589	25 13,218	3.87	511	1-70	43	817	-.03	25	42
50-30-0064	6814750	1399824	11-66	2 305	18,240	4.13	754	30 14,385	3.92	564	11-69	40	768	.06	36	50
50-30-0124	6464699	1268164	7-65	3 284	20,717	3.78	783	9 16,077	3.50	563	3-70	42	560	.05	27	37
50-30-0124	7212601	1379208	1-68	1 305	21,630	3.48	753	14 16,870	3.47	586	1-70	35	773	.00	28	43
51-01-0011	6846905	1379208	2-67	1 305	20,690	3.43	710	13 14,470	3.83	554	7-69	35	865	-.04	26	44
51-01-0011	7135993	1347940	7-67	1 305	17,560	3.38	594	12 14,350	3.76	539	10-69	36	812	-.04	24	41
51-01-9018	4590003	1122127	3-57	7 305	19,471	3.60	701	18 14,660	3.60	528	10-69	44	937	-.04	28	48
51-01-9018	5929883	1392774	2-63	4 305	25,525	2.58	659	28 17,075	3.63	619	1-69	44	1,166	-.20	12	40
51-01-9018	6347876	1268297	6-65	3 301	20,013	3.82	764	24 16,550	3.61	598	8-69	42	598	.09	34	44
51-01-9018	6347877	1268297	7-65	2 305	20,445	3.88	794	26 17,340	3.51	609	11-68	40	521	.11	34	42
51-01-9018	6479399	1244009	1-66	2 305	21,305	4.29	915	35 17,605	3.53	621	12-69	40	850	.07	41	56
51-01-9018	6490503	1445278	10-65	2 305	22,655	3.49	791	23 16,800	3.58	601	6-69	39	1,290	-.08	34	62
51-01-9018	6570179	1291498	5-66	1 305	24,080	3.80	916	30 17,570	3.53	620	12-68	36	681	.00	25	38
51-01-9018	6771707	1376810	7-66	1 305	26,990	3.32	897	30 17,890	3.55	635	11-68	35	1,076	-.07	29	52
51-01-9018	6771712	1379208	12-66	1 305	20,840	3.96	825	38 17,740	3.58	635	12-69	35	654	.04	30	42
51-01-9018	6771716	1379208	1-67	2 305	20,990	3.47	729	20 17,915	3.58	642	3-70	40	721	-.01	24	39
51-01-9018	6992947	1347940	6-67	1 305	20,300	3.67	744	28 17,700	3.62	641	11-69	36	791	.00	28	44
51-01-9018	6992948	1347940	6-67	1 305	21,140	3.47	733	28 17,700	3.62	641	11-69	36	854	-.02	28	45
51-01-9018	6992954	1347940	12-67	1 305	20,950	3.79	793	20 18,430	3.64	670	2-70	36	791	.01	30	45
51-01-9018	7026135	1347940	5-67	1 305	22,560	3.46	780	29 17,700	3.62	640	12-69	36	960	-.02	31	51
51-01-9018	7050304	1347940	1-68	1 305	19,940	3.30	659	29 17,700	3.62	640	12-69	36	765	-.04	22	38
51-01-9026	5658878	1192713	6-62	3 305	24,357	3.40	829	36 16,093	3.87	622	12-68	42	1,327	-.07	37	65
51-01-9026	5845740	1192713	2-63	3 305	20,400	3.52	718	35 15,880	3.85	611	10-68	42	894	-.04	26	45
51-01-9026	6382034	1222994	10-65	3 285	18,477	4.36	806	47 16,737	3.70	619	12-69	8 42	524	.10	33	41
51-01-9026	6597333	1261857	8-66	2 305	20,070	3.26	655	50 16,350	3.66	599	11-69	40	844	.00	31	48
51-01-9026	6632905	1347940	8-66	1 305	17,340	3.32	575	43 14,920	3.79	566	9-68	36	757	-.04	21	37
51-01-9026	6716082	1261857	12-66	2 305	22,530	3.35	755	43 17,475	3.62	632	1-70	40	991	.02	39	58
51-01-9026	6716083	1347940	9-66	2 305	19,975	3.42	683	48 16,750	3.62	606	12-69	40	892	-.03	28	46
51-01-9026	6820620	1347940	2-67	1 303	21,350	3.55	758	23 16,370	3.65	598	3-69	36	959	-.02	32	51
51-01-9026	6820621	1347940	2-67	1 303	19,930	3.77	751	23 16,370	3.65	598	3-69	36	853	.01	32	49
51-01-9026	6820622	1347940	3-67	1 305	19,600	3.98	781	21 16,360	3.59	588	4-69	36	829	.03	35	51
51-01-9026	6829619	1347940	1-67	1 305	21,140	3.50	739	33 16,350	3.63	593	2-69	36	945	-.02	31	50
51-01-9026	6909199	1347940	7-67	1 305	19,320	3.49	675	47 15,600	3.61	563	8-69	36	859	-.01	29	46
51-01-9026	6962672	1070036	12-67	1 305	21,930	3.36	736	61 18,080	3.57	645	12-69	36	626	.03	27	39
51-02-0007	6675771	1458744	7-66	2 305	19,545	2.94	574	19 15,380	3.62	557	2-70	40	962	-.10	20	42
51-02-0007	6776206	1458744	12-66	1 305	17,420	3.70	645	28 15,720	3.40	534	7-69	36	698	.01	27	41
51-02-0041	6485780	1320310	9-65	3 305	15,167	3.50	531	33 12,303	3.75	461	2-70	42	917	-.07	23	43
51-02-0099	6338025	1441440	7-65	3 305	18,683	3.52	657	23 14,496	3.73	541	3-70	42	883	-.01	30	48
51-02-0099	6455384	1451790	10-65	3 305	19,246	3.95	760	13 14,983	3.69	553	4-70	33	720	.07	36	49
51-02-0099	6707873	1379208	10-66	1 305	18,150	3.53	640	24 12,710	3.68	468	6-69	35	793	-.01	27	43
51-02-0099	6869976	1347940	3-67	1 287	15,090	3.62	547	34 13,240	3.69	488	8-69	36	702	-.01	24	38
51-02-0144	6631308	1458744	5-66	1 305	17,290	3.46	599	17 12,790	3.71	474	10-68	36	885	-.03	28	46
51-02-0144	6631309	1458744	8-66	2 305	18,010	3.51	633	22 14,090	3.74	527	12-69	40	924	-.03	29	48
51-02-0144	6868083	1458744	1-67	1 305	17,170	3.52	605	25 13,550	3.81	516	10-69	36	825	-.03	26	43
51-02-9026	5277028	1085978	1-61	5 305	16,824	3.98	669	29 14,636	3.74	547	10-68	44	713	.02	29	43
51-02-9026	5777213	1217478	11-62	4 303	19,018	3.44	830	39 15,523	3.76	583	7-69	44	562	.15	42	49
51-02-9026	5851630	1124780	9-62	3 305	22,573	3.37	761	35 15,770	3.69	582	2-69	42	886	-.04	26	45
51-02-9026	6325676	1330987	1-65	3 294	16,867	4.05	683	40 15,333	3.72	571	12-68	42	505	.08	30	38
51-02-9026	6640345	1406271	10-66	1 305	18,240	3.60	656	60 14,710	3.81	560	7-69	36	727	.02	29	43
51-02-9026	6864608	1347940	7-67	1 305	18,870	3.78	713	61 14,700	3.80	559	7-69	36	886	.00	32	50
51-02-9040	6261097	1386406	10-64	1 172	20,540	3.70	760	15 16,370	3.51	574	4-69	8 36	658	.03	28	40
51-02-9125	5351685	1189870	9-60	5 302	20,458	3.73	763	48 15,996	3.78	604	12-69	44	816	.00	30	46
51-02-9125	5597192	1379208	12-61	3 305	21,167	3.70	783	67 15,333	3.76	576	12-68	42	1,051	.00	38	59
51-02-9125	5733148	1237057	9-62	4 305	19,750	3.50	691	43 15,718	3.61	568	11-68	44	800	-.05	21	38
51-02-9125	5997693	1217478	7-63	3												

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C MO-YR O (%)	.....C O W MILK (L8)	I N O E X..... FAT FAT (%) (L8)	O O L - LARS
51-02-9135	6194724	1294703	11-64	4 305 17,850 3.71 662	55 14,643 3.79 555	3-70	43	782 -.04 23	\$ 39
51-02-9135	6646846	1454800	9-66	2 305 20,035 4.09 820	76 15,145 3.76 570	1-70	35	796 -.07 39	53
51-02-9135	6668251	1458744	8-66	2 305 18,260 3.72 679	97 14,895 3.76 560	11-69	40	876 -.01 30	48
51-03-0002	6219938	1320310	8-64	4 301 16,738 3.81 638	21 14,135 4.05 573	2-70	43	915 -.06 24	44
51-03-0002	6449611	1347940	6-65	1 305 17,730 4.11 729	18 12,830 4.06 521	6-69	36	927 .01 35	53
51-03-0002	6533308	1320310	8-65	3 298 17,027 3.71 631	31 13,753 4.04 555	9-69	42	982 -.07 25	46
51-03-0002	6561552	1320310	2-65	2 305 15,825 3.77 596	33 13,610 4.10 558	9-69	40	846 -.06 21	39
51-03-0002	7054597	1320310	6-67	1 283 16,700 3.98 664	31 14,560 4.09 596	10-69	35	831 -.05 23	41
51-03-0016	6911372	1347940	5-67	1 305 19,380 2.89 561	13 16,010 3.33 533	6-69	36	836 -.06 22	40
51-03-0027	4938206	1189870	8-59	5 300 19,502 3.51 685	17 15,098 3.85 581	1-70	44	797 -.04 23	40
51-03-0027	5178762	1189870	10-60	5 289 16,756 4.34 727	17 14,632 3.88 567	10-68	44	497 .08 30	38
51-03-0027	5432695	1189870	10-61	6 297 19,422 3.60 700	20 15,475 3.92 607	2-69	44	743 -.03 22	38
51-03-0027	6375181	1406271	8-65	2 294 19,145 3.68 704	23 15,490 3.95 612	1-69	40	818 .00 30	46
51-03-0027	6424856	1445278	9-65	3 301 17,190 3.94 677	28 15,217 3.94 599	12-69	41	876 -.05 24	43
51-03-0027	6571844	1320310	6-66	2 289 17,720 3.84 681	30 14,800 3.99 591	12-69	40	930 -.05 26	46
51-03-0027	6803440	1406271	3-67	1 305 17,760 3.63 644	28 14,030 3.88 544	8-69	36	737 .02 29	43
51-03-0028	5125148	1189870	5-60	8 305 18,710 3.75 702	20 14,774 4.06 600	2-70	44	732 -.02 23	38
51-03-0028	5751000	1189870	10-62	3 302 19,000 4.23 804	20 15,950 4.09 653	3-69	42	596 .04 28	39
51-03-0028	5908176	1189870	9-63	3 305 21,063 4.33 912	25 15,853 4.17 661	1-69	42	843 .06 39	54
51-03-0028	6450365	1360676	10-65	2 305 18,260 3.92 716	42 15,110 4.11 621	11-68	38	781 .00 28	44
51-03-0028	6519054	1441440	8-65	1 305 18,850 4.46 841	50 15,210 4.04 614	10-69	35	712 .06 35	48
51-03-0028	7000362	1347940	8-67	1 305 20,310 3.53 716	50 15,180 4.06 617	10-69	36	961 -.04 28	48
51-03-0056	5749719	1189870	11-62	5 303 18,302 4.11 753	18 15,356 4.10 630	12-69	44	612 .03 26	37
51-03-0056	6959316	1320310	8-67	1 305 18,210 4.15 756	29 15,400 4.09 630	8-69	35	887 -.03 28	46
51-03-0056	6959318	1383247	9-67	1 305 21,410 3.79 811	31 15,460 4.09 633	9-69	35	835 -.07 20	38
51-03-0056	7002264	1320310	10-67	1 305 21,010 3.84 806	31 15,430 4.09 631	9-69	35	1,097 -.06 31	54
51-03-0069	6996289	1347940	8-67	1 290 15,180 3.77 573	17 12,690 3.71 471	9-69	36	746 .00 27	42
51-03-0074	7039474	1399824	5-66	2 296 16,410 3.92 644	13 13,920 3.74 520	10-69	40	625 .04 29	40
51-03-9011	5671708	1217478	8-62	3 305 20,263 3.69 748	86 15,600 3.79 592	2-69	42	669 .04 30	42
51-03-9011	5873938	1122127	9-63	3 305 19,140 3.78 724	51 15,087 3.82 577	6-69	42	798 -.04 23	40
51-03-9011	5895980	1417276	5-63	3 305 18,617 4.03 751	101 14,563 3.81 555	1-69	32	698 .05 33	46
51-03-9011	5895981	1417276	5-63	4 301 18,448 3.64 671	105 14,583 3.80 554	11-69	34	708 -.01 24	38
51-03-9011	5976412	1417276	8-63	3 305 18,397 4.11 757	111 15,140 3.79 574	12-68	32	599 .07 32	42
51-03-9011	6172607	1417276	8-64	4 305 17,450 3.96 691	99 14,013 3.81 534	9-69	34	638 .04 29	41
51-03-9011	6172608	1417276	8-64	4 305 18,765 3.63 681	101 14,108 3.81 538	11-69	34	816 -.02 27	44
51-03-9011	6253564	1417276	7-64	4 301 19,238 3.48 670	101 14,450 3.81 550	11-69	34	839 -.04 24	42
51-03-9011	6396091	1406271	11-65	3 305 18,906 3.39 640	104 15,163 3.75 568	2-70	42	861 -.02 28	46
51-03-9011	6688031	1406271	12-66	1 305 18,050 3.59 648	71 13,070 3.89 509	8-69	36	823 .02 32	48
51-04-0006	6653418	1330987	7-66	2 305 17,000 3.67 624	15 14,030 3.74 525	1-70	40	626 .04 28	39
51-04-0014	6883523	1347940	7-67	1 305 19,690 3.47 683	37 13,230 3.58 473	11-69	36	1,046 -.02 35	56
51-04-0022	6734360	1324354	9-66	2 305 21,125 4.02 849	22 14,405 3.83 552	1-70	40	712 .06 35	48
51-04-0035	6348314	1237057	6-65	2 305 19,445 3.89 757	30 15,505 3.70 574	1-69	40	712 .00 25	39
51-04-0035	6513598	1445278	10-65	3 305 17,977 3.44 619	19 15,660 3.81 597	2-70	41	921 .11 17	38
51-04-0035	6852742	1347940	8-67	1 305 21,150 3.00 634	36 14,580 3.69 538	9-69	36	1,064 -.08 27	50
51-04-0036	5923098	1122127	9-63	3 304 20,020 3.46 692	19 12,443 3.62 451	3-69	42	1,172 -.07 32	57
51-04-0036	7007666	1417208	10-67	1 305 20,380 3.73 760	34 13,480 3.64 491	10-69	36	945 .02 37	55
51-04-0037	6211918	1329588	12-64	3 305 17,307 3.88 672	42 13,150 3.61 475	8-69	42	703 .02 28	41
51-04-0037	6366040	1330987	3-63	2 304 18,870 3.49 658	33 14,355 3.60 517	2-69	40	786 .02 32	47
51-04-0037	6491331	1417208	6-65	1 305 18,540 2.98 553	51 14,230 3.48 495	9-68	36	758 -.04 21	37
51-04-0037	6566334	1417208	10-65	2 305 20,085 3.49 701	42 14,210 3.64 517	6-69	40	1,007 -.01 35	55
51-04-0037	6616583	1330987	4-66	2 305 16,865 4.03 680	52 13,930 3.47 483	10-69	40	622 .10 37	47
51-04-0037	6630513	1417208	10-66	1 305 17,240 3.35 577	32 13,630 3.52 480	4-69	36	701 -.01 24	38
51-04-0037	6695054	1309574	1-67	2 305 17,285 3.81 659	50 13,900 3.47 483	1-70	40	575 .07 31	41
51-04-0048	6399869	1346850	9-65	3 305 20,277 3.80 771	32 15,443 3.78 583	12-69	42	738 -.01 25	40
51-04-0048	6586120	1445278	3-66	2 305 21,060 3.27 688	35 14,765 3.85 568	6-69	39	1,315 -.13 27	57
51-04-0048	6663954	1379208	10-66	2 288 18,885 3.81 719	28 15,950 3.84 613	2-70	40	687 .00 25	39
51-04-0048	6857045	1347940	4-67	1 305 16,180 4.09 661	37 14,190 3.83 544	7-69	36	720 .02 29	43
51-04-0048	6958003	1347940	12-67	1 305 17,270 3.60 621	13 15,270 3.79 579	4-70	36	729 -.02 23	38
51-04-0151	7080261	1347940	10-67	1 305 16,740 3.45 577	13 13,620 3.66 498	2-70	36	800 -.02 26	42
51-04-0169	6578470	1445278	1-66	2 298 16,620 3.66 608	21 13,675 3.90 533	5-69	39	957 -.08 22	43
51-04-0169	7355275	1347940	2-68	1 305 19,170 3.32 637	36 15,420 3.74 577	2-70	36	860 -.04 25	43
51-04-0181	6337906	1122127	1-65	3 305 19,293 3.55 685	38 15,253 3.66 558	5-69	42	798 -.05 21	38
51-04-0181	6561126	1405940	7-65	2 305 19,745 3.35 661	75 13,925 3.76 523	9-68	34	770 -.03 23	39
51-04-0181	6830110	1347940	4-67	1 305 19,020 3.13 595	49 16,380 3.61 591	4-69	36	785 -.05 21	38
51-04-0181	6830113	1347940	5-67	1 305 19,640 3.83 753	54 15,730 3.60 566	5-69	36	874 .02 34	51
51-04-0181	6830114	1347940	5-67	2 305 20,300 3.51 713	41 16,835 3.66 617	3-70	40	917 -.02 30	49
51-04-0181	6846709	1347940	5-67	1 305 17,460 3.40 593	61 15,520 3.58 555	6-69	36	726 -.02 23	38
51-04-0181	6912325	1347940	6-67	1 305 17,810 3.93 700	67 16,190 3.72 602	12-69	36	707 .02 28	42
51-04-0181	6912326	1347940	7-67	1 305 21,270 3.53 750	66 16,010 3.70 592	11-69	36	977 -.02 32	52
51-04-0181	6912328	1347940	7-67	1 305 20,180 3.73 753	61 15,520 3.58 555	6-69	36	929 .01 35	53
51-04-0181	6912332	1347940	9-67	1 305 18,470 3.63 670	61 15,520 3.58 555	6-69	36	801 .00 29	45
51-04-0181	6971289	1309574	1-68	1 305 20,180 4.08 824	65 16,720 3.73 623	1-70	36	526 .08 30	39
51-04-0181	7119479	1399824	11-67	1 288 18,860 4.42 833	38 16,940 3.74 633	3-70	36	561 .09 33	42
51-04-0184	5806152	1358936	9-62	3 305 17,587 4.09 720	23 14,157 3.60 510	5-69	29	492 .08 30	38
51-04-0186	7235765	1417208	2-67	1 305 18,360 3.30 605	23 13,240 3.74 495	8-69	36	811 -.03 25	42
51-04-0223	6273667	1217478	3-63	3 304 15,173 4.21 639	8 12,040 3.91 471	12-68	42	452 .10 30	37
51-04-0235	5893878	1217478	10-63	3 299 16,987 3.67 623	15 12,363 3.70 457	9-69	42	627 .04 29	40
51-04-0249	6184178	1189870	10-63	4 302 17,860 4.40 786	22 15,000 3.85 577	6-69	44	583 .10 36	45
51-04-0249	7052717	1355784	2-68	1 305 23,020 3.35 771	19 16,370 3.73 611	3-70	35	1,032 -.10 22	45
51-04-0249	7281387	1347940	3-68	1 305 19,970 3.95 789	9 15,990 3.51 562	4-70	36	882 .03 37	54
51-04-0255	6624396	1445278	2-66	2 305 15,990 3.83 612	24 12,975 4.01 520	10-69	39	957 -.08 23	44
51-04-0255	6844012	1347940	4-67	1 305 16,920 3.59 607	26 12,970 4.05 525	9-69	36	857 -.03 26	44
51-04-0262	6534363	1422552	3-64	3 305 17,036 3.90 665	12 11,923 3.74 446	8-69	32	819 .04 35	50
51-04-0262	6942430	1261857	11-66	2 302 16,265 3.93 640	6 12,945 3.66 474	2-70	40	769 .09 41	54
51-04-0288	6248426	1268294	12-65	1 298 19,330 3.53 682	5 12,650 3.64 460	8-69	36	760 -.04 21	37

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVO C MO-YR O	.....C O W MILK (LBS)	I N O E X..... FAT (%) (LBS)	DOL- LARS
51-04-0292	6636180	1447141	3-66	2 304 19,650 3.96 778	42 16,385 3.73 611	2-70	35	925 .06 43	\$ 60
51-04-9122	6165033	1199324	1-63	4 305 16,985 3.64 619	20 13,325 3.68 490	6-69	44	898 -.01 31	49
51-04-9197	5207108	1189870	8-60	7 298 17,820 3.90 695	18 14,273 3.97 566	12-69	44	676 .01 26	39
51-04-9197	5207110	1189870	10-60	7 302 19,444 3.41 663	23 14,936 3.93 587	12-69	44	808 -.07 19	37
51-04-9197	5720296	1399824	12-62	2 305 23,870 3.67 875	37 15,770 3.82 602	1-69	40	1,213 .00 44	68
51-04-9197	5971130	1268294	8-63	4 301 21,323 3.40 725	31 15,600 3.89 607	1-70	44	968 -.09 21	43
51-04-9197	5973757	1189870	8-63	5 304 17,908 3.89 696	22 13,994 3.89 544	11-69	44	719 .01 28	42
51-04-9197	6061574	1189870	1-64	4 300 17,705 4.37 774	24 15,355 3.86 595	8-69	44	520 .09 32	40
51-04-9197	6333838	1330987	5-65	3 305 17,883 4.09 731	31 14,210 3.87 550	8-69	42	738 .08 38	51
51-04-9197	6659854	1399824	9-66	2 305 18,950 3.97 753	37 15,850 3.80 602	2-70	40	706 .04 32	45
51-04-9197	6806267	1347940	4-67	1 305 16,230 3.41 553	32 14,520 3.54 514	6-69	36	701 -.02 23	37
51-04-9197	7005827	1399824	9-67	1 305 19,980 3.80 760	31 14,950 3.87 579	12-69	36	778 .02 31	46
51-05-0056	6369609	1406271	10-65	3 293 15,243 4.11 627	25 13,580 3.80 516	10-69	42	604 .07 32	42
51-05-0098	5440417	1122127	7-61	2 305 22,400 3.50 783	23 16,200 3.71 601	2-70	40	981 -.07 25	46
51-05-0098	6200923	1189870	11-63	3 305 22,220 3.90 867	20 15,533 3.74 581	4-69	42	1,009 .04 43	62
51-05-0098	6613003	1399824	8-66	1 305 17,990 3.71 668	39 15,250 3.73 569	6-69	36	610 .02 25	37
51-05-0098	6802758	1347940	4-67	1 300 16,840 3.72 626	30 14,590 3.80 554	9-69	36	742 -.01 25	40
51-05-0098	6802760	1347940	5-67	1 305 18,600 3.54 659	39 15,240 3.74 570	6-69	36	830 -.02 27	44
51-05-0098	6942639	1347940	6-67	1 305 18,580 3.67 682	12 16,860 3.63 612	3-70	36	720 .00 26	40
51-05-0107	6694063	1399824	10-66	1 305 18,560 3.45 640	17 13,620 3.58 488	3-69	36	761 .00 28	43
51-05-0122	4847659	1228022	11-58	9 297 15,284 3.48 532	12 11,840 3.72 441	4-69	44	970 -.08 23	44
51-05-0122	6915143	1406271	2-67	1 305 16,470 4.02 662	35 11,790 3.70 436	7-69	36	791 .06 38	52
51-05-0122	6915144	1406271	2-67	1 297 15,930 3.23 515	39 11,520 3.74 431	8-69	36	769 -.01 27	42
51-05-0134	4938803	1301515	10-59	7 296 17,660 4.11 726	20 15,136 3.81 576	1-69	35	492 -.09 31	38
51-05-0134	5640914	1199324	8-62	5 297 23,588 3.96 934	28 16,170 3.93 636	12-68	44	1,433 .01 54	82
51-05-0134	6193896	1122127	2-64	3 301 20,903 3.61 755	31 16,373 3.88 635	9-68	42	867 -.07 21	40
51-05-0142	6851529	1347940	5-67	1 305 17,170 3.65 626	5 15,230 3.70 564	9-69	36	724 -.01 25	40
51-05-0157	5621099	1199324	1-61	6 285 18,453 3.87 715	9 15,690 3.77 592	2-70	44	826 .01 31	47
51-05-9022	4953338	1122127	10-59	5 305 19,316 3.64 704	38 15,372 3.64 560	1-69	44	834 -.03 25	42
51-05-9022	5644317	1189870	8-62	4 299 19,218 3.59 689	24 15,645 3.60 564	3-69	44	679 .00 25	38
51-05-9044	5102573	1024856	1-60	8 296 17,476 3.88 678	38 14,474 3.83 555	9-69	44	501 .08 29	37
51-05-9044	5644315	1189870	7-62	4 304 16,405 4.61 756	16 14,800 3.65 540	2-70	44	426 .14 36	41
51-05-9044	5897529	1189870	8-63	4 305 17,935 4.25 762	37 14,448 3.91 565	11-68	44	654 .07 34	45
51-05-9044	6195293	1122127	7-64	3 303 19,017 3.73 710	28 15,197 3.84 584	7-69	42	772 -.05 21	37
51-05-9044	6590137	1450862	4-66	2 305 21,200 3.14 666	28 14,535 3.68 535	8-69	29	1,000 -.11 19	42
51-05-9044	7011424	1399824	4-67	1 305 23,220 2.95 685	47 16,050 3.65 586	10-69	36	946 -.06 25	45
51-05-9110	5598903	1237057	6-62	2 305 26,090 3.47 905	28 15,660 3.74 586	9-68	40	1,373 -.07 39	68
51-05-9110	5835650	1365113	9-62	5 305 21,770 3.56 775	34 15,708 3.69 579	10-69	34	1,043 -.02 35	56
51-05-9110	6313652	1329588	2-65	3 305 20,540 3.48 714	38 14,963 3.68 551	10-69	42	887 -.05 25	44
51-05-9110	6840429	1406271	2-67	1 305 23,430 3.19 747	17 17,720 3.61 639	3-69	36	912 -.02 30	49
51-05-9110	7361789	1378594	8-67	1 305 32,630 4.50 1469	37 15,490 3.59 556	11-69	35	958 .28 76	88
51-05-9172	5986390	1276654	8-63	2 305 23,330 3.22 751	16 13,485 3.75 506	12-68	40	1,140 -.08 29	54
51-06-0009	6723640	1446706	3-65	2 305 18,375 3.92 721	16 13,475 3.88 523	6-69	39	582 .04 27	38
51-06-0019	6192333	1337741	10-64	4 305 19,540 3.68 719	10 14,873 3.87 576	12-69	43	891 -.01 30	48
51-06-0027	6638006	1309574	6-66	2 299 17,125 4.46 764	31 15,160 3.80 576	10-69	40	444 .12 33	39
51-06-0027	6823396	1445278	2-67	1 305 18,300 3.49 638	22 13,450 4.06 546	5-69	35	1,065 -.11 22	46
51-06-0034	7779279	1441074	6-66	1 305 16,790 4.02 675	10 12,720 3.67 467	6-69	23	614 .05 30	41
51-06-0034	6023084	1337741	6-67	1 246 18,050 3.45 622	23 12,880 3.79 488	12-69	35	719 -.02 23	38
51-07-0023	6614044	1445278	8-66	2 304 17,970 3.50 629	39 12,920 3.77 487	11-69	39	1,167 -.09 28	54
51-07-0023	6860646	1347940	3-67	1 305 21,580 3.34 721	26 12,900 3.74 483	6-69	36	1,209 -.04 37	62
51-07-0023	7067603	1347940	12-67	1 305 17,010 3.57 608	39 12,940 3.70 479	12-69	36	866 -.02 29	47
51-07-0026	6721442	1451853	8-66	2 298 21,080 3.39 714	20 15,625 3.44 538	12-69	30	837 -.04 25	42
51-07-0060	6675418	1261857	10-66	1 305 15,940 3.86 616	27 11,540 3.61 417	11-68	36	780 .08 40	53
51-07-0064	6847472	1347940	3-67	1 305 19,800 3.19 632	17 14,370 3.58 514	9-69	36	977 -.04 29	49
51-07-0145	6775031	1406271	5-66	2 294 15,765 3.82 603	28 14,160 3.76 533	1-70	40	596 .04 27	38
51-07-0145	6809184	1445278	1-66	2 305 17,100 3.43 587	28 13,790 3.84 529	11-69	39	996 -.11 20	42
51-07-0180	4935262	1122127	12-57	7 305 17,809 3.59 639	18 13,546 3.76 510	11-68	44	852 -.06 22	40
51-07-0180	5585157	1122127	11-61	4 299 19,825 3.54 701	22 14,240 3.75 534	1-69	44	1,004 -.07 26	48
51-07-0180	6334928	1346850	1-65	3 305 18,403 3.91 719	20 13,660 3.78 516	12-69	42	707 .00 26	40
51-07-0180	6454342	1445278	9-65	3 305 21,233 3.28 696	32 15,080 3.75 565	1-70	41	1,363 -.13 29	59
51-07-0180	6894480	1070036	1-66	2 305 15,665 4.73 741	30 14,010 3.74 524	10-69	40	459 .16 40	45
51-07-0180	7149736	1347940	2-67	1 305 17,610 3.60 634	28 13,690 3.78 517	8-69	36	860 -.01 29	46
51-07-0184	6487917	1458744	12-65	3 296 17,643 3.90 688	19 15,686 3.72 584	4-70	42	752 .02 30	44
51-07-0184	6962914	1347940	9-67	1 296 20,620 3.41 703	41 15,520 3.77 585	10-69	36	961 -.04 29	49
51-07-0192	6855155	1347940	3-67	1 305 25,820 3.90 1007	14 16,770 3.73 626	3-70	36	1,265 .02 49	73
51-07-0236	5092054	1308044	2-60	7 303 18,830 3.53 665	11 12,607 3.78 476	8-69	38	995 -.05 28	49
51-07-0236	5709746	1379208	11-62	4 299 16,578 3.82 634	26 13,355 3.74 500	10-69	43	741 .02 29	43
51-07-0242	5648500	1199324	1-62	4 305 17,042 3.94 671	36 15,217 3.71 564	12-69	44	694 .03 29	42
51-07-0242	5834084	1379208	9-62	3 305 20,577 3.73 767	37 15,427 3.68 567	7-69	42	973 .01 37	56
51-07-0242	6810236	1445278	10-65	3 293 18,313 3.69 675	44 15,137 3.70 560	8-69	41	1,015 -.06 27	49
51-07-0242	6856259	1379208	2-67	2 297 20,345 3.29 670	32 16,885 3.61 609	4-70	40	750 -.04 21	37
51-07-0242	6856262	1347940	6-67	1 293 18,550 3.58 664	46 16,900 3.52 595	6-69	36	715 .00 26	40
51-07-0242	6967561	1379208	12-67	1 305 23,960 3.24 776	50 17,860 3.64 650	2-70	35	881 -.05 25	44
51-07-0242	6999794	1347940	7-67	1 305 21,870 3.10 678	49 16,320 3.59 586	8-69	36	1,001 -.06 27	48
51-07-0297	5572504	010236866	7-57	5 305 21,222 3.24 687	37 13,772 3.64 501	11-69	42	1,058 -.05 30	52
51-07-0297	5989100	1330987	10-63	3 305 18,517 3.76 696	53 14,983 3.63 544	6-69	42	731 .05 34	47
51-07-0297	6557715	1406271	11-65	2 305 18,875 3.74 705	46 16,010 3.69 590	4-69	40	743 .04 32	46
51-07-0297	6613855	1376810	4-66	2 305 19,265 3.24 625	57 13,755 3.79 522	12-69	39	897 -.10 18	38
51-07-0297	6613856	1376810	8-66	2 305 19,325 3.88 749	40 14,555 3.78 550	2-70	39	828 -.01 28	45
51-07-0297	7360645	1406271	8-67	1 305 20,040 3.29 660	35 14,840 3.75 557	3-70	36	853 -.01 29	46
51-07-0298	6806889	1406271	8-65	1 305 16,850 3.64 614	40 14,530 3.72 540	1-70	36	636 .03 27	39
51-07-0332	6526630	1445278	3-66	2 305 18,965 3.31 627	18 15,685 3.79 594	12-69	39	1,012 -.12 18	41
51-07-0347	6445290	1445278	11-65	2 299 16,825 4.14 696	29 13,035 3.77 492	7-69	39	1,038 -.02 35	56
51-07-0347	6835925	1347940	2-67	1 296 16,220 3.77 611	32 12,800 3.79 485	6-69	36	816 .00 29	45
51-07-0365	6689880	1379208	11-66	2 298 16,985 3.80 645	13 14,075 3.71 522	3-70	40	665 .01 26	39

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALV MO-YR	T C D	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS	
51-07-0382	6686031	1347940	7-66	2 293	20,185	3.79	765	8	17,895	3.83	685	6-69	40	808	-.00	29	\$ 45
51-07-0409	6372914	1346850	8-65	3 300	19,833	3.36	666	13	13,060	3.71	484	6-69	42	936	-.07	23	43
51-07-0417	6407155	1436046	7-65	2 305	24,000	3.27	785	15	14,915	3.57	532	3-70	28	1,278	-.07	36	63
51-07-0417	6523077	1436046	10-65	1 305	22,540	3.35	755	17	15,230	3.68	561	8-69	22	852	-.05	24	42
51-07-0432	7218794	1347940	11-67	1 293	20,060	3.32	665	7	18,470	3.47	640	1-70	36	722	-.02	23	38
51-07-9019	4896140	1216957	5-59	6 305	25,677	3.29	845	26	15,932	3.61	575	10-68	44	1,294	-.05	39	66
51-07-9020	6956510	1347940	8-67	1 283	18,470	3.42	631	18	14,930	3.92	586	11-69	36	841	-.04	24	42
51-07-9020	6956512	1347940	8-67	1 305	16,960	3.79	642	23	14,800	3.92	580	10-69	36	737	-.01	25	40
51-07-9025	5919898	1122127	7-63	3 305	16,450	4.29	706	18	12,780	3.87	495	3-69	42	727	-.02	29	43
51-07-9025	6426495	1392774	8-65	2 305	21,305	3.53	752	26	12,695	3.97	504	11-69	40	950	-.03	30	50
51-07-9025	6662451	1445278	8-66	2 305	15,695	3.76	590	54	13,220	3.90	515	9-69	39	903	-.07	22	42
51-07-9025	6780801	1347940	3-67	1 303	17,160	3.54	608	43	13,890	3.90	542	6-69	36	813	-.03	25	42
51-07-9025	6889568	1347940	5-67	1 305	18,120	3.52	638	43	13,890	3.90	542	6-69	36	885	-.03	27	45
51-07-9025	6889569	1347940	7-67	1 305	15,290	4.32	661	56	13,560	3.99	541	8-69	36	696	-.03	29	42
51-07-9027	6175747	1330987	8-64	2 305	17,835	3.57	636	50	14,220	3.91	556	6-69	40	694	-.01	26	40
51-07-9027	6175748	1330987	9-64	3 285	17,930	3.82	685	71	14,157	3.93	556	9-69	42	749	-.03	32	46
51-07-9027	6175750	1392774	9-64	3 296	19,220	4.15	797	52	14,226	3.93	559	3-70	42	664	-.06	33	45
51-07-9027	6337634	1363530	4-65	3 299	18,923	3.94	745	49	14,580	3.92	572	12-69	33	652	-.02	26	38
51-07-9029	5454786	1217478	8-61	3 305	20,470	3.87	792	23	14,847	3.75	557	2-69	42	771	-.07	38	52
51-07-9031	5741002	1217478	10-62	3 305	20,950	3.95	827	39	17,420	3.77	657	11-69	42	560	-.08	32	41
51-07-9031	5786877	1396363	12-62	3 305	23,843	3.92	934	41	17,540	3.76	660	2-69	31	1,036	-.06	47	66
51-07-9031	5890865	1217478	7-63	4 305	24,098	3.83	924	45	16,925	3.78	639	11-69	44	1,034	-.06	47	66
51-07-9031	5989407	1122127	9-63	4 305	21,793	3.63	792	49	17,040	3.82	651	11-69	44	936	-.06	25	45
51-07-9031	6043431	1392774	3-64	3 305	20,973	3.75	787	37	16,353	3.82	625	2-69	42	645	-.01	25	37
51-07-9031	6073195	1268164	12-63	4 305	19,150	4.54	870	46	16,025	3.84	616	10-69	43	410	-.13	33	38
51-07-9031	6415655	1406271	10-65	3 305	25,250	3.49	881	36	17,866	3.74	669	2-70	42	1,311	-.01	46	72
51-07-9031	6437815	1448669	8-65	3 304	21,986	3.83	843	47	16,683	3.80	634	12-69	29	795	-.02	32	47
51-07-9035	5329146	1244845	4-61	6 305	17,827	3.71	661	11	12,898	3.66	472	7-69	44	835	-.01	28	45
51-07-9040	6571331	1405940	1-66	3 303	19,853	3.70	734	25	14,633	3.77	552	3-70	36	783	-.02	31	46
51-07-9040	6813603	1406271	1-67	1 305	21,520	3.64	784	27	15,670	3.74	586	2-70	36	907	-.03	37	54
51-07-9066	5477243	1199324	7-61	5 279	17,448	4.03	704	21	14,274	3.73	533	10-69	44	861	-.04	37	53
51-07-9066	6837789	1379208	11-66	2 300	17,845	3.70	660	38	15,000	3.67	550	11-69	40	668	-.01	25	38
51-07-9086	5683906	1217478	10-62	3 305	17,507	4.23	740	40	14,230	3.89	553	1-69	42	494	-.11	33	40
51-07-9086	5727166	1275532	7-62	2 305	19,255	3.97	765	47	14,390	3.81	548	8-69	30	578	-.04	26	37
51-07-9086	5868436	1217478	3-63	4 305	19,505	3.46	674	51	14,030	3.86	542	10-69	44	789	-.01	27	43
51-07-9086	6168168	1122127	5-64	4 305	18,735	3.72	697	46	14,105	3.87	546	11-69	44	885	-.05	25	44
51-07-9086	6706146	1406271	9-66	2 301	18,600	4.13	768	48	14,635	3.77	552	10-69	40	841	-.08	42	57
51-07-9086	6754510	1406271	1-67	1 305	19,770	3.66	724	19	14,940	3.96	591	5-69	36	826	-.01	32	48
51-07-9086	6860270	1406271	4-67	1 305	16,510	4.66	769	55	14,820	3.89	576	9-69	36	591	-.10	36	45
51-07-9086	6860272	1406271	7-67	1 305	19,200	3.89	747	55	14,820	3.89	576	9-69	36	792	-.04	35	50
51-07-9109	5726037	1379208	12-62	4 301	15,188	4.04	613	38	13,370	3.72	498	10-69	43	566	-.05	27	37
51-07-9109	5934505	1217478	8-63	4 305	18,005	4.33	779	32	14,198	3.80	539	3-70	44	585	-.13	40	48
51-07-9109	5934510	1122127	9-63	3 305	18,723	3.72	696	27	13,737	3.83	526	2-69	42	889	-.05	25	44
51-07-9140	5870013	1340894	9-61	5 301	19,042	3.18	605	18	12,354	3.58	442	4-69	36	1,007	-.08	24	46
51-07-9140	6881989	1406271	10-65	1 305	15,480	3.41	528	100	13,110	3.46	453	12-68	36	629	-.02	26	38
51-07-9140	6895561	1445278	11-65	2 305	17,045	3.59	612	48	14,440	3.46	499	3-70	39	930	-.06	25	45
51-07-9161	5803445	1347940	1-63	4 304	20,917	3.54	740	18	15,900	3.64	578	6-69	44	1,150	-.02	39	62
51-07-9161	6422039	1347940	8-65	2 305	18,880	3.67	580	15	16,345	3.54	578	4-69	40	817	-.06	20	38
51-07-9161	6426631	1445278	11-65	3 305	19,197	3.51	673	18	15,983	3.79	605	2-70	41	1,030	-.10	22	45
51-07-9161	6466289	1445278	4-66	1 305	22,780	2.97	676	19	15,670	3.80	595	11-68	35	1,255	-.15	22	51
51-07-9161	6830111	1347940	4-67	1 305	19,960	3.33	665	28	15,500	3.72	577	11-69	36	914	-.04	27	46
51-07-9161	6955767	1406271	7-67	1 203	19,260	3.52	677	28	15,570	3.72	579	11-69	8 36	746	-.01	29	43
51-07-9164	5015345	1189870	11-59	4 305	20,820	3.61	752	16	15,633	3.75	586	4-70	44	878	-.01	30	48
51-07-9164	5219553	1189870	11-60	5 288	19,710	4.02	792	19	16,494	3.63	599	11-68	44	662	-.07	34	45
51-07-9236	5340371	1308044	5-61	5 305	19,434	3.47	675	8	13,006	3.73	485	11-68	38	1,030	-.06	28	50
51-07-9272	6857036	1347940	5-67	1 292	21,250	3.19	677	26	14,710	3.60	529	8-69	36	1,063	-.05	31	53
51-07-9281	4966363	1310080	11-59	3 305	24,850	3.68	915	19	14,933	3.75	560	11-69	31	1,395	-.00	50	78
51-07-9281	5960219	1330987	10-63	3 292	17,440	4.18	729	20	15,120	3.76	569	12-69	42	593	-.09	35	44
51-07-9281	6611436	1458744	2-66	2 305	19,535	3.68	718	21	15,470	3.81	590	7-69	40	953	-.02	32	51
51-07-9375	5098869	1024856	12-59	3 305	21,073	3.64	767	10	14,953	3.83	573	5-69	42	827	-.04	36	51
51-07-9375	6885878	1347940	8-67	1 305	22,420	3.20	718	18	17,940	3.63	652	6-69	36	933	-.05	26	46
51-07-9382	6607501	1347940	7-66	1 305	20,070	4.06	814	6	18,170	3.84	698	7-69	36	743	-.02	30	44
51-07-9382	6653925	1347940	7-66	2 298	22,300	3.80	848	6	16,630	3.85	641	6-69	40	1,139	-.00	41	64
51-07-9382	6865848	1347940	6-67	1 305	21,990	3.92	863	13	19,090	3.89	742	11-69	36	824	-.01	31	47
51-07-9390	4945363	1189679	10-59	3 303	23,083	3.21	742	22	17,763	3.61	642	2-69	42	1,058	-.10	23	47
51-07-9390	5321683	1189679	8-60	4 305	25,088	3.26	819	23	18,385	3.57	657	2-70	44	1,276	-.09	32	60
51-07-9390	5764537	1189870	9-62	4 305	20,825	3.38	704	15	14,260	3.58	511	7-69	44	1,031	-.03	33	54
51-07-9390	5850298	1199324	7-63	4 305	25,117	3.36	844	21	17,147	3.58	614	6-69	44	1,477	-.05	45	76
51-07-9390	6170914	1254887	7-64	3 226	23,027	3.65	840	37	16,937	3.63	614	9-68	8 42	845	-.00	31	48
51-07-9390	6302135	1329588	3-65	3 300	22,733</												

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS
51-08-0085	6572444	1215958	10-64	3 305	18,366	4.84	888	8 16,473	3.77	621	5-69		41	517	.15	41	\$ 47
51-08-0085	6919048	1357743	10-66	2 305	21,795	3.51	765	6 14,950	3.69	552	2-70		40	825	-.05	23	40
51-08-0113	6657720	1445278	1-66	1 305	19,470	3.27	636	15 15,120	3.85	582	11-68		35	1,040	-.12	19	43
51-08-0118	5811328	1244845	1-63	3 305	18,707	4.20	786	5 15,147	3.95	598	12-68		42	644	.03	27	39
51-08-0118	5942955	1189870	9-63	4 293	18,158	4.17	757	18 16,105	3.58	577	1-70		44	497	.10	32	39
51-08-0140	5490978	1189870	6-61	5 305	16,572	4.24	703	10 13,958	3.67	512	3-70		44	551	.09	33	42
51-08-0140	6045801	1217478	3-64	1 305	21,700	3.69	801	7 15,700	3.55	558	7-69		36	585	.06	30	40
51-08-9117	6582300	1237057	4-66	2 305	18,035	3.88	699	19 13,970	3.87	540	12-69		40	710	-.02	22	37
51-09-0029	5565283	1189870	8-61	3 305	18,287	3.47	634	7 14,043	3.65	513	1-70		42	711	-.02	23	38
51-09-0039	6697952	1337741	10-66	1 305	20,380	4.18	852	21 15,730	3.64	572	5-69		35	701	.06	34	46
51-09-0039	6921644	1441440	12-66	1 305	18,300	3.52	645	25 14,840	3.67	544	6-69	H	35	696	.00	25	39
51-09-0115	6250615	1315578	12-64	3 305	16,446	4.01	660	16 14,686	3.68	541	8-69		42	413	.12	32	37
51-09-0115	6971447	1347940	11-67	1 299	17,890	3.75	671	13 14,780	3.77	557	11-69		36	808	.00	29	45
51-09-0187	6593809	1406271	6-66	1 299	17,290	3.71	642	18 14,730	3.75	553	1-69		36	655	.03	28	40
51-09-9187	6593806	1406271	4-66	2 305	19,130	3.60	688	17 14,965	3.72	557	2-70		40	864	.02	34	51
51-09-9187	6805058	1406271	11-66	1 295	19,740	3.51	692	29 15,530	3.75	583	6-69		36	784	.01	30	45
51-10-0010	6102125	1400605	6-64	4 305	16,952	3.75	635	14 12,925	3.55	459	11-69		36	641	.04	29	41
51-10-0137	6661541	1336050	6-66	2 289	16,450	3.63	597	79 13,030	3.78	492	3-70		40	768	-.01	26	42
51-10-9018	5188809	1244845	10-60	6 305	19,585	3.51	688	23 15,532	3.55	551	10-68		44	756	-.04	22	38
51-10-9018	5498893	1376810	8-61	3 303	20,977	3.29	691	27 16,843	3.38	569	2-70		41	833	-.05	22	40
51-10-9018	5498894	1376810	8-61	4 305	20,975	3.59	753	33 16,715	3.40	568	3-70		42	881	-.01	31	49
51-10-9018	5741007	1376810	7-62	4 305	21,768	3.34	726	14 12,723	3.34	559	2-70		42	980	-.04	29	50
51-10-9018	6781475	1406271	2-67	1 305	21,850	3.37	736	22 17,610	3.38	596	4-69		36	802	.02	32	47
51-10-9098	6094769	1122127	6-64	4 299	20,403	3.60	734	54 16,378	3.67	601	1-70		44	838	-.05	23	41
51-10-9098	6426630	1445278	11-65	3 298	19,090	3.55	678	39 16,603	3.65	606	3-70		41	952	-.08	23	44
51-10-9098	6472843	1347940	8-65	2 305	20,510	3.29	674	40 16,100	3.62	583	7-69		40	1,005	-.05	29	50
51-10-9098	6612913	1347940	7-66	2 305	18,890	3.80	717	49 16,410	3.63	595	4-70		40	813	.02	32	48
51-10-9098	6612927	1379208	9-66	2 305	22,165	3.53	783	50 16,510	3.64	601	3-70		40	970	-.01	33	53
51-10-9098	6722741	1379208	10-66	2 301	20,150	3.50	706	55 16,330	3.66	598	11-69		40	781	-.02	25	41
51-10-9098	6842051	1379208	6-67	1 305	20,750	3.60	748	39 15,490	3.70	573	6-69		35	800	-.01	28	44
51-10-9098	6842052	1347940	3-67	1 305	17,240	3.51	605	31 15,100	3.66	552	6-69		36	738	-.02	24	39
51-10-9098	6842055	1347940	4-67	1 305	17,400	4.00	696	31 15,100	3.66	552	6-69		36	750	.03	31	45
51-10-9098	6909040	1347940	3-67	1 305	16,970	4.14	703	31 15,100	3.66	552	6-69		36	718	.03	31	44
51-10-9098	6909041	1347940	6-67	1 305	17,580	3.46	609	34 15,060	3.65	549	7-69		36	766	-.02	25	41
51-10-9098	6939084	1379208	7-67	1 305	21,030	3.47	729	41 16,580	3.62	600	11-69		35	747	-.01	25	40
51-10-9146	5637916	1492073	11-61	1 305	21,710	4.34	942	21 14,120	3.80	536	12-69		35	671	.05	31	43
51-10-9146	6976959	1406271	2-67	1 305	20,110	3.76	757	13 13,770	3.61	497	7-69		36	930	.05	41	58
51-11-0005	5733436	1189870	2-62	4 294	18,028	4.21	759	25 15,138	3.94	597	11-69		44	588	.06	30	40
51-11-0005	6370550	1406271	8-65	3 305	19,456	3.55	690	24 15,196	4.00	608	12-69		42	921	-.02	30	49
51-11-0005	6384145	1392774	8-65	2 299	18,465	3.89	718	18 13,250	3.93	521	5-69		40	612	.02	25	37
51-11-0005	6937893	1458744	11-67	1 305	18,850	4.10	772	24 16,080	3.97	639	11-69		36	781	.01	30	45
51-11-0021	5687369	1217478	8-62	3 305	19,100	4.11	785	13 15,817	3.81	602	7-69		42	513	.10	33	41
51-11-0021	6828400	1376810	1-67	2 284	20,055	3.73	748	21 15,825	4.05	641	11-69		39	786	-.06	20	37
51-11-0021	6987518	1347540	10-67	1 305	15,990	3.96	633	18 14,490	4.04	586	10-69		36	686	-.01	24	38
51-11-0050	6712682	1392774	10-66	2 296	21,995	3.76	828	22 15,490	3.61	559	10-69		40	765	.04	33	47
51-11-0050	6884263	1347940	5-67	1 305	19,480	3.51	684	27 15,470	3.47	537	10-69		36	880	-.01	31	49
51-11-0050	6937990	1347940	6-67	1 305	19,210	3.65	702	27 15,470	3.47	537	10-69		36	860	.01	32	49
51-11-0106	6705898	1379208	11-66	1 305	22,350	3.99	891	6 17,530	3.91	686	1-70		35	782	.02	31	46
51-11-0117	5813170	1199324	7-62	3 305	16,160	3.61	584	52 13,810	3.72	514	8-69		42	733	-.02	23	38
51-11-0117	5897000	1411215	1-63	3 304	18,313	3.87	708	32 13,317	3.70	493	11-68		31	756	.04	33	47
51-11-0117	5897009	1199324	1-63	3 305	15,536	3.84	597	42 13,160	3.76	495	9-69		42	729	.00	26	40
51-11-0117	5897015	1330987	9-63	4 295	16,555	3.80	629	37 14,380	3.75	539	7-69		44	580	.05	28	39
51-11-0117	6410750	1443756	10-64	3 305	16,846	3.81	641	32 12,886	3.76	484	9-69		32	653	.02	27	38
51-11-0117	6499064	1443756	1-66	2 305	17,975	3.68	662	28 13,560	3.72	504	9-69		29	661	.01	25	38
51-11-0117	6524743	1443756	11-65	2 301	18,075	3.66	662	23 13,625	3.68	502	1-70		29	666	.01	25	38
51-11-0117	6567672	1443756	9-65	3 305	17,053	3.90	665	27 13,006	3.74	487	11-69		32	667	.04	30	42
51-11-0121	6837028	1490212	5-67	1 305	19,340	3.84	743	13 13,340	3.67	489	10-69		22	757	.03	31	45
51-11-0121	6935896	1458744	9-67	1 305	16,860	3.52	593	30 14,790	3.61	534	12-69		36	719	-.02	23	38
51-11-0133	7011511	1347940	11-67	1 305	20,310	3.38	687	23 14,940	3.78	564	12-69		36	977	-.04	29	49
51-11-0143	6909432	1273756	2-67	2 304	18,960	3.55	674	13 14,070	3.85	542	1-70		40	832	.00	30	46
51-11-0146	6411296	1406271	8-65	2 305	19,575	3.33	652	13 14,615	3.75	548	6-69		40	941	-.02	31	50
51-11-0146	6648042	1406271	6-66	2 305	19,645	4.09	803	16 13,950	3.82	533	9-69		40	1,009	.07	47	65
51-11-0146	6835406	1406271	2-67	1 305	24,950	3.21	800	7 14,550	3.66	533	4-69		36	1,238	-.02	41	66
51-11-0146	6850155	1399824	3-67	1 305	19,110	3.41	652	8 15,380	3.60	553	4-69		36	684	.00	24	38
51-11-0146	6927111	1406271	8-67	1 296	16,500	3.68	608	12 13,940	3.93	548	2-70		36	649	.02	26	38
51-11-0149	5704777	1316590	11-62	3 302	20,077	3.56	714	9 13,710	3.81	522	4-69		42	740	-.01	25	40
51-11-0149	5710735	1217478	12-62	3 301	17,373	3.83	665	14 13,523	3.90	527	6-69		42	552	.05	27	37
51-11-0151	6884363	1347940	4-67	1 305	18,590	3.67	682	15 13,960	3.70	516	7-69		36	915	-.01	32	50
51-11-0151	6923357	1347940	9-67	1 305	20,030	3.56	713	13 14,050	3.73	524	11-69		36	1,016	-.02	34	55
51-11-0156	6921174	1347940	10-67	1 305	18,270	4.05	740	10 14,310	4.04	578	10-69		36				

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8) FAT (%) FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8) FAT (%) FAT (L8)	LAST T CALVO C REPT MO-YR OC O W MILK (L8) FAT (%) FAT (L8)	I N O E X..... FAT (%) FAT (L8) OOL- LARS
51-11-9115	6357793	1445513	3-65	3 292 20,876 3.76 784	19 15,536 4.03 626	2-69	33 768 -.03 24 \$ 40	
51-11-9115	6423083	1085978	4-65	3 304 17,663 4.67 825	21 14,750 4.05 598	12-69	42 782 .08 40 53	
51-11-9115	6432678	1458744	10-65	3 305 21,673 3.32 720	19 15,110 3.96 599	2-70	42 1,275 -.09 32 60	
51-11-9115	6565652	1406271	12-65	2 305 19,830 3.44 682	36 14,105 4.06 573	6-69	40 1,014 -.03 32 53	
51-11-9115	6570159	1445278	8-65	2 305 16,445 3.79 624	39 13,370 4.06 543	10-69	39 967 -.08 23 44	
51-11-9115	6626883	1458744	8-66	1 305 18,360 4.40 807	40 12,820 4.22 541	9-68	36 963 .03 39 57	
51-11-9115	6757585	1458744	1-67	1 305 15,650 4.13 646	35 13,730 3.83 526	7-69	36 700 .02 28 41	
51-11-9115	6757586	1458744	2-67	1 305 19,430 3.35 650	31 13,470 3.86 520	9-69	36 999 -.05 29 50	
51-11-9115	6757589	1458744	2-67	1 305 18,090 4.33 784	35 13,790 3.83 528	8-69	36 877 .04 38 54	
51-11-9115	6962249	1458744	6-67	1 305 16,980 3.40 578	35 13,790 3.83 528	8-69	36 795 -.04 23 40	
51-11-9115	7033896	1445278	9-65	2 305 18,095 3.63 657	42 13,600 4.05 551	9-69	39 1,116 -.10 25 50	
51-11-9122	5187729	1151349	9-60	3 305 20,163 3.65 735	72 13,750 3.77 518	4-69	42 580 .06 30 40	
51-11-9122	5323686	1189870	8-60	5 303 16,892 4.27 721	57 13,624 3.85 524	7-69	44 631 .08 34 45	
51-11-9122	5468764	1189870	9-61	5 305 18,452 3.65 674	42 14,172 3.80 538	12-68	44 769 -.01 26 42	
51-11-9122	5707557	1189870	10-62	4 305 18,468 3.76 694	41 13,863 3.84 532	6-69	44 784 .00 29 44	
51-11-9122	6174976	1434100	10-64	3 305 20,683 3.43 710	58 13,760 3.79 522	6-69	34 881 -.05 25 44	
51-11-9122	6711236	1457729	10-66	1 305 24,130 3.31 799	90 13,350 3.87 517	8-69	19 1,019 -.07 27 49	
51-11-9122	6758764	1309574	12-66	1 305 20,530 3.53 725	92 13,410 3.87 519	8-69	36 774 .01 29 44	
51-11-9137	5744837	1167632	5-61	6 305 19,595 3.78 741	35 14,988 4.11 616	8-69	44 936 -.05 27 47	
51-11-9137	5799414	1372319	8-61	5 305 17,782 4.70 836	38 15,300 4.09 626	12-69	36 425 .17 40 44	
51-11-9150	5611725	1189870	9-61	5 305 18,900 4.48 847	24 16,424 3.78 621	3-69	44 565 .13 39 47	
51-11-9150	6939804	1406271	11-66	1 305 19,600 4.42 866	31 17,320 3.85 666	1-69	36 654 .09 37 48	
51-11-9150	6984073	1316112	3-66	2 305 22,265 3.71 825	38 16,855 3.84 647	12-69	40 595 .06 30 40	
51-12-0024	5640168	1217478	8-62	3 299 17,373 4.54 789	32 14,713 3.94 579	11-68	42 429 .14 36 41	
51-12-0024	5640170	1217478	9-62	3 304 18,120 3.96 717	31 14,413 3.91 564	1-69	42 545 .06 29 38	
51-12-0024	6146797	1122127	9-64	2 305 19,405 3.44 668	39 13,950 3.99 556	1-69	40 883 -.10 17 37	
51-12-0024	6755950	1379208	3-67	1 305 17,250 3.76 649	22 12,910 3.93 508	5-69	35 711 .00 25 39	
51-12-0024	6938939	1347940	9-67	1 305 19,070 3.88 739	55 13,310 3.82 508	12-69	36 994 .01 37 57	
51-12-0048	6951750	1347940	9-67	1 305 16,970 3.18 540	16 13,570 3.96 538	2-70	36 820 -.06 20 38	
51-12-0052	7042154	1347940	7-67	1 305 19,000 3.32 631	7 13,590 3.81 518	8-69	36 970 -.05 28 48	
51-13-0040	5834837	1330790	11-62	3 295 16,010 4.13 661	7 12,240 3.87 474	11-69	34 610 .08 33 43	
51-13-0064	6674968	1458744	8-66	1 288 18,300 3.48 636	20 15,430 3.73 575	6-69	36 783 -.03 24 40	
51-13-0174	5633406	1216873	12-61	6 305 16,683 3.82 638	19 12,200 3.83 467	3-70	44 702 .03 29 42	
51-13-0174	6132363	1329617	8-64	3 305 16,270 3.63 590	21 11,746 3.84 451	11-68	33 706 -.02 23 37	
51-13-9035	5687473	1340669	9-62	4 305 22,727 3.63 826	25 14,212 3.91 556	4-69	44 1,299 -.09 33 61	
51-13-9135	5163306	1232296	8-60	3 305 19,970 4.41 880	37 16,007 3.83 613	8-69	42 811 .16 53 65	
51-13-9135	6074330	1237057	1-64	3 305 24,937 3.47 866	42 17,107 3.79 648	3-69	42 1,224 -.08 32 58	
51-13-9135	6108986	1447141	7-64	3 305 22,543 4.00 901	36 16,023 3.77 604	8-69	38 1,360 .07 60 85	
51-13-9135	6226933	1447141	9-64	3 305 25,363 3.13 794	40 16,316 3.76 614	7-69	38 1,678 -.09 46 82	
51-13-9135	6226934	1447141	9-64	3 305 18,420 4.21 776	39 16,346 3.78 618	8-69	38 810 .09 43 57	
51-13-9135	6274150	1447141	11-64	3 305 24,356 3.75 913	41 16,660 3.81 634	12-69	38 1,514 .03 59 88	
51-13-9135	6401638	1447141	2-65	3 305 19,173 4.53 868	38 16,320 3.79 619	11-69	38 907 .15 55 69	
51-13-9135	6401639	1447141	2-65	2 305 27,220 3.69 1004	48 17,140 3.78 648	1-69	35 1,680 .02 64 97	
51-13-9135	6401640	1447141	5-65	3 305 23,536 3.60 847	42 16,943 3.81 645	2-70	38 1,380 -.01 49 76	
51-13-9135	6401641	1447141	5-65	3 299 18,763 3.86 724	40 17,226 3.80 655	3-70	38 755 .04 33 47	
51-13-9135	6401651	1271810	4-65	3 305 21,326 3.75 799	40 17,116 3.85 659	12-69	42 831 -.04 24 41	
51-13-9135	6417154	1447141	8-65	3 305 21,880 3.52 770	37 17,100 3.80 650	3-70	38 1,157 -.02 39 62	
51-13-9135	6417155	1447141	9-65	2 305 22,030 4.27 941	34 16,945 3.75 635	4-69	35 1,130 .11 58 77	
51-13-9135	6568266	1447141	1-66	2 305 22,690 3.72 843	33 16,980 3.82 649	12-69	35 1,199 .02 46 69	
51-13-9135	6575987	1206797	1-66	2 305 23,115 3.82 883	44 17,345 3.79 657	3-69	40 854 .01 32 49	
51-13-9135	6636184	1386777	3-66	1 63 21,600 4.67 1008	53 18,030 3.74 675	12-68	8 25 504 .13 37 44	
51-13-9135	6957147	1447141	5-67	1 305 20,650 3.35 692	41 16,210 3.76 610	7-69	31 961 -.02 32 51	
51-13-9135	6969406	1447141	1-68	1 305 19,420 3.50 679	13 17,260 3.74 645	4-70	31 784 .00 29 44	
51-14-0004	6889467	1347940	8-67	1 305 16,870 3.52 594	15 14,480 3.38 490	11-69	36 752 .00 27 42	
51-14-0064	6915688	1347940	6-67	1 305 19,310 3.46 669	17 16,110 3.55 572	10-69	36 824 -.02 27 44	
51-14-0064	6937354	1309574	9-67	1 305 18,710 4.12 771	17 16,140 3.51 566	10-69	36 455 .09 30 37	
51-15-0027	5965380	1217478	11-63	3 305 19,307 3.69 712	21 14,173 4.08 578	2-69	42 707 .01 27 41	
51-15-0037	5601208	1244845	10-61	4 305 21,445 3.53 756	9 16,505 3.47 573	6-69	44 857 -.03 27 45	
51-15-0090	5707555	1189870	10-62	5 298 15,032 4.28 644	14 12,650 3.83 484	9-69	44 504 .07 29 37	
51-15-0091	5997406	1405686	9-63	4 305 15,150 3.85 584	8 11,407 3.64 415	3-69	35 517 .08 30 38	
51-15-0105	6773156	1433885	4-65	3 301 19,380 4.03 781	19 14,750 3.95 582	1-70	34 747 .04 33 47	
51-15-0107	5807000	1217478	1-63	3 305 18,887 3.82 722	9 14,863 3.60 535	2-70	42 587 .08 33 43	
51-15-0107	6899242	1347940	2-67	1 305 19,590 3.78 740	15 15,600 3.76 587	10-69	36 879 .00 32 49	
51-15-0109	6835728	1347940	2-67	1 305 18,570 3.44 638	10 14,150 4.00 566	9-69	36 901 -.04 26 45	
51-15-0120	6695355	1406271	11-66	1 305 16,360 3.64 595	34 13,130 3.88 509	7-69	36 693 .02 28 41	
51-15-0124	5682535	1189870	9-62	2 305 26,310 3.93 1035	26 18,100 3.71 672	11-69	40 1,105 .05 48 69	
51-15-0124	5966889	1189870	11-63	3 305 23,613 3.59 848	22 18,683 3.68 688	1-70	42 843 -.01 29 46	
51-15-0124	6624112	1406271	9-66	2 305 19,745 3.91 773	31 17,690 3.65 645	10-69	40 678 .07 34 46	
51-15-0124	6750664	1315612	10-66	1 305 28,220 3.98 1123	23 19,860 3.63 720	1-69	36 660 .06 33 45	
51-15-0124	7121096	1406271	1-67	1 305 21,940 3.37 740	34 16,730 3.63 607	8-69	36 868 .00 32 49	
51-15-0126	6684132	1337741	8-66	1 305 18,950 4.41 835	28 15,310 4.06 621	7-69	35 621 .05 30 41	
51-15-0126	6826714	1399824	12-66	1 305 17,580 4.70 826	25 15,860 4.00 634	6-69	36 538 .09 32 41	
51-15-9119	5685657	1379208	9-62	3 305 18,880 3.54 668	55 15,057 3.61 544	12-69	42 814 -.01 28 44	
51-15-9119	6171311	1122127	10-64	3 305 19,187 3.64 698	42 14,393 3.59 516	6-69	42 875 -.04 26 44	
51-15-9119	6527283	1271810	12-65	2 305 19,815 3.89 770	54 14,065 3.72 523	7-69	40 906 -.01 31 49	
51-15-9119	6608203	1347940	5-66	2 305 17,655 3.71 655	55 15,855 3.61 572	1-70	40 738 .01 28 42	
51-15-9119	6630392	1347940	8-66	1 305 17,030 3.61 615	69 14,880 3.59 534	12-68	36 737 .0	

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS		
51-15-9119	6877538	1347940	7-67	1 305	17,190	3.86	664	59	14,120	3.75	529	9-69	36	800	.01	30	\$ 46
51-15-9119	6938368	1347940	7-67	1 274	16,760	3.37	565	50	13,790	3.76	518	8-69	36	790	-.04	23	40
51-15-9119	6971228	1347940	4-67	1 301	16,140	4.45	719	50	13,790	3.76	518	8-69	36	744	.06	35	48
51-15-9119	7072250	1347940	10-66	1 305	19,170	3.13	600	66	14,880	3.58	533	12-68	36	896	-.05	25	44
51-15-9119	7072251	1347940	10-66	2 296	17,675	3.49	616	52	14,980	3.67	550	11-69	40	820	-.02	26	43
51-15-9121	5336249	1189870	1-61	6 278	22,417	3.77	846	26	16,228	3.74	607	3-69	44	1,042	.02	41	61
51-15-9121	5857969	1122127	1-63	3 305	22,893	3.32	759	35	17,510	3.48	610	2-70	42	978	-.08	24	45
51-15-9121	5938477	1189870	12-62	3 264	21,330	3.34	712	28	16,773	3.53	592	5-69	42	778	-.03	24	40
51-15-9121	5951599	1427687	7-63	4 252	24,113	3.15	760	17	17,383	3.65	635	4-69	32	1,070	-.12	21	45
51-15-9121	6719857	1376810	1-67	1 305	22,450	3.59	805	26	17,370	3.28	569	5-69	35	765	-.01	26	41
51-15-9121	6886518	1347940	5-67	1 305	21,090	3.70	780	25	18,680	3.50	653	4-70	36	785	.01	30	45
51-15-9121	6963485	1347940	1-68	1 305	23,270	3.40	791	34	18,440	3.46	638	12-69	36	963	-.02	32	52
51-16-0044	6559085	1337741	4-66	2 305	20,150	3.81	768	11	15,575	3.91	609	9-69	40	799	.01	30	46
51-16-0044	6591669	1330987	7-66	2 305	22,090	3.36	743	14	15,825	3.72	589	1-70	40	979	-.01	34	54
51-16-0044	6793107	1330987	11-66	2 293	16,420	4.35	715	19	14,710	3.81	560	9-69	40	505	.11	34	41
51-16-0044	6864626	1347940	6-67	1 305	19,120	3.34	638	6	15,710	3.78	594	4-69	36	837	-.04	24	42
51-17-0008	5432067	1199324	7-61	6 305	16,941	3.66	620	22	14,396	3.80	547	11-69	44	781	-.03	24	40
51-17-0008	6230999	1244845	11-64	3 305	19,537	3.64	711	31	13,797	3.79	523	8-69	42	879	-.04	26	44
51-17-0008	6843470	1347940	2-67	1 305	18,170	3.85	700	37	13,920	3.79	528	7-69	36	886	.01	33	50
51-17-0035	6636275	1309574	8-66	2 305	20,960	3.92	821	15	16,170	3.62	586	3-70	40	741	.08	38	51
51-17-0035	6877683	1458744	9-67	1 291	16,920	3.63	614	24	15,370	3.66	562	1-70	36	684	-.01	23	37
51-17-0035	6936040	1347940	7-67	1 305	23,860	3.00	716	17	16,990	3.57	607	6-69	36	1,104	-.07	29	53
51-17-0036	5059864	1024856	9-59	7 303	18,109	4.19	758	17	14,551	3.90	568	8-69	44	574	.12	38	46
51-17-0036	6921408	1347940	11-67	1 305	27,610	3.12	862	28	19,260	3.61	695	1-70	36	1,231	-.07	34	60
51-17-0037	6003513	1217478	11-62	5 302	19,868	4.43	880	14	16,780	4.03	676	3-70	44	545	.13	39	47
51-17-0037	6466592	1445278	8-65	3 294	17,927	3.80	681	27	15,377	4.02	618	11-69	41	945	-.08	22	43
51-17-0037	6466594	1261857	1-66	3 302	22,793	4.61	1051	15	17,480	3.97	694	2-70	42	1,078	.19	67	84
51-17-0037	6723959	1261857	1-67	1 305	18,830	4.33	815	19	15,670	4.20	658	7-69	36	719	.09	39	51
51-17-0037	6763296	1261857	1-67	1 305	18,890	4.29	810	30	16,230	4.10	665	10-69	36	685	.09	38	49
51-17-0037	6763297	1261857	1-67	1 305	18,030	4.97	896	30	16,230	4.10	665	10-69	36	621	.16	45	53
51-17-0037	6763298	1261857	2-67	1 305	21,160	3.69	781	26	15,740	4.08	642	8-69	36	887	.04	38	55
51-17-0037	6763299	1261857	3-67	1 298	18,350	4.99	915	19	15,670	4.20	658	7-69	36	683	.15	47	57
51-17-0037	6892959	1347940	4-67	1 305	17,940	4.19	751	35	16,160	4.15	670	8-69	36	719	.01	27	41
51-17-0037	6892964	1261857	9-67	1 286	17,750	4.01	711	30	16,230	4.10	665	10-69	36	601	.06	31	41
51-17-0075	5799868	1122127	11-62	6 305	19,773	4.45	879	18	15,742	4.01	632	10-69	44	850	.06	39	54
51-17-0075	6767903	1447141	1-67	1 305	22,690	3.78	858	28	15,840	4.05	641	9-69	31	1,155	.02	44	66
51-17-0080	6735228	1376810	12-66	2 305	20,335	3.58	729	35	14,700	3.80	559	10-69	39	919	-.05	25	45
51-17-0080	6950061	1376810	1-67	1 305	22,670	3.30	748	39	14,230	3.74	532	9-68	35	998	-.07	25	47
51-17-0080	6982590	1376810	1-67	2 305	26,370	3.02	797	30	15,885	3.73	593	2-70	39	1,434	-.15	29	61
51-17-0081	6717737	1379208	6-66	1 305	23,160	2.89	670	18	16,900	3.09	523	6-69	35	886	-.05	25	44
51-17-0084	6737378	1399824	10-66	1 305	19,270	3.55	684	15	16,150	3.57	577	11-69	36	645	.01	25	37
51-17-0085	5068675	1024856	3-60	5 299	15,274	3.57	545	19	11,586	3.68	426	6-69	44	553	.05	27	37
51-17-0095	6730895	1476583	8-66	1 305	23,450	3.54	829	21	17,390	3.67	638	6-69	24	835	-.03	26	43
51-17-0095	6747529	1476583	8-66	2 305	17,910	4.46	798	13	15,525	3.72	578	10-69	29	545	.10	34	42
51-17-0095	6747531	1476583	9-66	2 305	21,810	3.33	726	18	17,250	3.66	632	1-70	29	825	-.07	20	38
51-17-0108	5853072	1379208	1-63	3 305	20,673	3.32	687	36	13,400	3.66	490	12-68	42	1,196	-.05	36	61
51-17-0108	5853073	1379208	3-63	4 297	18,878	3.79	715	33	14,558	3.46	503	3-70	43	893	.05	39	56
51-17-0108	6912486	1406271	4-67	1 305	19,290	3.35	646	40	15,430	3.58	553	5-69	36	757	.01	29	44
51-17-0111	7032817	1347940	5-67	1 300	18,760	3.25	610	7	15,860	3.83	607	7-69	36	800	-.05	21	38
51-17-0131	6205925	1329588	12-64	3 305	19,137	3.90	747	12	15,340	3.60	552	4-70	42	687	.03	29	42
51-17-0171	5031097	1189870	2-60	4 304	17,115	3.65	625	14	13,458	3.61	486	1-70	44	662	.01	26	39
51-17-0175	6403440	1445278	9-65	1 305	19,590	3.48	682	8	13,980	4.02	562	11-68	35	1,127	-.11	24	49
51-17-0197	7039752	1458744	1-68	1 305	22,150	3.33	738	11	14,430	3.86	557	2-70	36	1,137	-.05	33	57
51-17-0198	6654373	1461530	11-65	2 300	18,540	3.33	617	7	14,015	3.40	477	9-69	35	745	-.03	22	38
51-17-0198	7029582	1261857	12-66	1 305	24,070	3.61	870	7	15,120	3.51	531	1-70	36	1,146	.07	52	73
51-17-0198	7029583	1261857	12-66	1 305	17,910	4.04	724	9	15,150	3.49	529	12-69	36	685	.11	41	52
51-17-0202	6812291	1309574	2-67	1 305	24,130	3.70	893	14	17,120	3.66	627	2-69	36	793	.04	35	50
51-17-0203	6870408	1320310	3-67	1 305	15,690	3.53	554	15	14,080	3.56	501	7-69	35	787	-.05	21	38
51-17-0209	6350834	1320310	6-65	1 277	18,410	3.63	669	25	15,880	3.85	611	9-68	35	870	-.06	22	41
51-17-0209	6418822	1309574	11-65	2 304	20,645	3.57	736	21	16,105	3.70	596	11-68	40	715	.02	28	42
51-17-0222	6301329	1446688	1-65	1 305	21,500	3.86	829	11	15,020	3.48	523	11-69	19	626	.05	30	41
51-17-9093	5002367	1189870	10-59	7 305	19,939	3.44	686	24	13,639	3.82	521	1-69	44	1,023	-.05	30	51
51-17-9093	6089816	1237057	2-64	4 305	17,018	3.90	664	20	13,190	3.88	512	6-69	44	743	-.02	24	39
51-17-9120	6926990	1406271	1-66	2 305	18,245	3.67	670	28	14,505	3.77	547	7-69	40	817	.02	33	49
51-17-9120	6926991	1406271	1-66	2 300	18,630	3.73	694	29	14,980	3.83	574	9-69	40	812	.03	33	48
51-17-9120	6959463	1406271	2-66	2 299	18,660	3.78	705	28	14,505	3.77	547	7-69	40	859	.03	36	52
51-17-9120	7381314	1376810	10-67	1 305	26,890	3.28	883	27	15,000	3.83	574	10-69	35	1,267	-.09	32	59
52-04-0003	6357364	1316112	7-65	3 303	20,367	3.89	793	19	16,760	3.69	618	3-70	42	466	.11	32	39
52-04-0011	6118130	1424773	8-64	3 305	22,000	3.51	772	28	17,776	3.52	625	7-69	41	675	.02	27	40
52-04-0011	6297721	1263152	2-65	3 305	23,897	3.33	796	26	17,607	3.55	625	7-69	42				

TABLE 3. HOLSTEIN US0A-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8)	I N D E X..... FAT FAT (%) (L8)	O O L - LARS
52-12-0012	6918480	1464746	8-66	2 295 16,000 3.84 614	40 12,885 3.56 459	12-69 32	591	.04 27	\$ 38
52-12-0020	6414060	1239886	12-65	3 292 19,883 3.28 652	11 14,163 3.52 499	2-70 42	801	-.01 27	43
52-15-0001	5242186	1189679	9-60	6 305 17,822 3.50 623	24 13,153 3.50 461	7-69 44	980	-.04 30	50
52-15-0001	5249143	1189679	1-61	7 304 17,719 3.67 650	22 13,641 3.50 477	9-69 44	910	-.01 32	50
52-15-0001	5330169	1189679	2-61	7 302 17,460 3.57 623	32 12,691 3.48 442	8-69 44	987	-.02 32	52
52-15-0001	5415988	1189679	6-61	6 304 18,947 3.37 639	21 13,665 3.50 478	5-69 44	1,066	-.06 30	53
52-19-6025	5310438	1189679	11-60	5 302 15,744 3.58 563	22 12,728 3.67 467	12-68 44	762	-.04 22	38
52-19-6025	5410669	1189679	6-61	3 305 17,637 3.58 632	26 13,023 3.71 483	11-69 42	923	-.04 27	46
52-21-0001	5054737	1189679	1-60	7 305 18,210 3.33 606	47 13,894 3.68 511	1-69 44	944	-.08 22	43
52-21-0001	5151069	1189679	8-60	7 300 18,313 3.43 629	39 14,094 3.67 517	3-70 44	934	-.07 24	44
52-21-0001	6260960	1424773	12-64	3 303 17,663 4.05 716	46 14,903 3.50 521	6-69 41	467	.10 31	38
52-23-0029	6220052	1217478	12-64	4 294 20,283 4.13 837	21 17,568 3.62 636	2-70 44	491	.13 37	43
52-23-0029	6662381	1406271	9-66	1 305 21,710 3.77 819	26 15,320 3.58 548	6-69 36	945	.05 42	59
52-23-0029	6662382	1406271	9-66	1 305 18,360 3.47 637	30 15,620 3.60 562	7-69 36	675	.02 27	40
52-23-0035	5626164	1369029	8-62	4 300 20,600 3.74 770	27 15,840 3.74 593	12-69 43	757	.02 30	45
52-23-0039	6176789	1364780	6-64	2 305 19,280 3.71 715	29 13,735 3.70 508	6-69 29	733	.02 29	43
52-23-0042	5913056	1263152	10-63	4 304 21,703 3.81 827	26 16,500 3.56 587	3-70 44	711	.06 35	48
52-23-0042	6369500	1189870	6-65	3 305 19,870 3.94 783	29 16,270 3.58 582	11-69 42	663	.06 33	45
52-23-0042	6594847	1406271	6-66	2 305 21,405 3.95 846	27 15,290 3.60 550	10-69 40	1,066	.08 50	69
52-23-0042	6594850	1376810	6-66	2 305 23,460 3.63 852	30 17,445 3.58 624	1-70 39	987	-.02 32	52
52-23-0042	6657092	1376810	10-66	2 305 22,605 3.35 758	26 17,615 3.58 630	2-70 39	883	-.07 22	41
52-23-0053	6399589	1441298	7-65	2 305 19,525 3.42 667	12 16,670 3.55 592	11-68 37	921	-.08 22	42
52-23-0054	5365601	1352169	1-61	4 305 22,428 3.69 828	15 16,313 3.71 606	10-69 33	968	.01 36	55
52-23-0063	6864305	1375426	3-66	2 305 20,120 3.90 784	10 14,430 3.53 510	4-70 29	721	.06 35	48
52-23-0067	6819236	1406271	8-66	2 305 18,075 3.30 597	26 15,215 3.44 524	3-70 40	734	.00 27	41
52-23-0075	6594849	1406271	8-66	2 285 17,065 3.46 590	21 14,470 3.82 553	11-69 40	700	-.01 24	38
52-23-0075	6687841	1406271	9-66	1 305 20,310 3.86 784	14 15,300 3.48 532	3-69 36	842	.07 40	55
52-23-0082	6025659	1122127	1-64	4 305 21,155 2.99 632	22 15,388 3.64 560	1-70 44	1,041	-.15 15	39
52-24-0002	5045845	1266242	1-60	4 299 17,743 3.54 628	19 13,968 3.55 496	12-68 37	839	-.04 24	42
52-24-0002	6132704	1237057	8-64	3 304 16,990 3.77 641	21 12,547 3.58 449	7-69 42	782	-.02 26	42
52-24-0003	5467647	1359829	11-61	5 305 18,706 3.46 647	27 14,022 3.59 503	3-70 35	779	-.01 26	42
52-24-0003	5786090	1237057	10-62	4 282 20,608 3.49 720	28 14,183 3.65 518	2-69 44	1,076	-.06 30	53
52-24-0003	6000018	1263152	9-63	2 305 20,295 4.05 822	40 16,025 3.38 541	1-70 40	494	.11 33	40
52-24-0003	6742161	1471627	9-66	1 305 22,130 3.59 794	31 14,610 3.40 497	6-69 23	777	.01 29	44
52-24-0003	6960479	1347940	7-67	1 305 17,600 3.24 571	45 15,150 3.29 499	12-69 36	761	-.02 25	40
52-28-0005	7023722	1347940	11-67	1 293 19,870 4.00 794	30 17,860 3.71 663	1-70 36	749	.03 31	45
52-28-0005	7023723	1347940	11-67	1 305 21,080 3.82 805	32 17,940 3.71 665	2-70 36	833	.01 31	47
52-28-0005	7023724	1347940	12-67	1 305 20,660 3.86 798	30 17,860 3.71 663	1-70 36	808	.01 31	47
52-29-0002	5841512	1330987	7-62	4 301 18,280 3.36 614	27 15,193 3.73 567	12-69 44	702	-.02 23	37
52-29-0003	5555865	1382498	10-61	5 304 18,744 3.78 708	52 15,100 3.74 565	12-68 36	651	.00 24	37
52-29-0003	6785298	1458744	11-66	1 305 18,340 3.66 672	53 15,510 3.66 568	6-69 36	781	-.01 27	43
52-29-0011	6156468	1389602	6-63	3 305 21,770 3.32 723	40 16,000 3.67 587	9-68 32	958	-.07 24	45
52-29-0012	6917600	1471492	4-67	1 305 23,970 3.68 881	23 13,200 3.69 487	1-70 19	1,016	.01 38	58
52-29-0023	5632662	1356378	10-61	5 305 17,352 3.99 693	12 14,138 3.68 520	6-69 35	551	.08 32	41
52-29-0023	5463598	1189679	7-61	4 305 17,690 3.44 609	9 13,335 3.63 484	6-69 44	924	-.06 25	45
52-29-0102	6783635	1458744	12-66	1 305 20,550 3.44 707	6 15,640 3.64 570	5-69 36	937	-.03 29	48
52-29-0108	5906299	1366872	8-63	4 305 19,798 3.23 640	10 14,190 3.56 505	5-69 37	900	-.08 21	41
52-29-0108	6127253	1366872	9-64	4 305 20,558 3.34 686	8 14,128 3.50 495	12-69 37	1,014	-.06 28	50
52-29-0110	6222179	1263152	8-64	4 305 20,540 3.55 729	11 15,828 3.53 558	12-69 44	643	.02 26	38
52-29-0113	6537130	1452421	1-66	1 305 18,500 4.78 884	16 14,350 3.71 533	11-69 25	603	.12 39	48
52-32-0006	6640409	1316112	7-66	2 305 19,810 3.83 759	22 15,090 3.72 561	12-69 40	507	.09 32	40
52-32-0011	5561169	1189679	7-61	3 305 16,613 3.70 615	12 13,790 3.68 507	11-68 42	726	-.03 22	37
52-32-0016	5796658	1189679	1-63	4 305 22,925 3.23 741	7 16,943 3.64 616	10-68 44	1,169	-.10 27	53
52-32-0017	5461962	1189679	7-61	6 299 17,820 3.29 587	13 14,365 3.52 505	8-69 44	839	-.07 20	38
52-32-0017	5886981	1369029	8-63	4 305 18,723 3.65 684	25 14,640 3.51 514	6-69 43	657	.04 29	41
52-32-0018	5145599	1189679	7-60	4 305 17,198 3.41 586	19 13,500 3.59 485	6-69 44	845	-.06 22	40
52-32-0018	5867615	1369029	7-63	4 305 17,570 3.65 642	20 12,763 3.49 446	7-69 43	724	.03 31	45
52-32-0018	6594836	1376810	8-66	2 305 18,570 3.81 708	20 14,250 3.61 514	10-69 39	779	-.01 27	43
52-32-0030	5018047	1189679	9-59	8 300 16,526 3.62 598	11 13,569 3.64 494	1-70 44	765	-.03 23	39
52-32-0030	5542000	1263152	9-61	4 305 22,450 3.45 774	16 14,705 3.58 527	10-69 44	1,003	-.01 35	55
52-32-0030	5711228	1189679	8-62	5 305 17,856 3.39 606	12 14,448 3.56 515	11-69 44	834	-.05 22	40
52-32-0035	5130783	1189679	2-64	4 296 20,015 3.84 768	30 15,188 3.73 566	8-69 44	1,005	.00 36	56
52-32-0035	6785183	1406271	1-67	1 305 22,450 3.53 793	28 16,360 3.84 628	4-69 36	930	.01 35	53
52-32-0061	6533121	1237057	10-65	3 300 20,647 3.19 658	11 14,267 3.18 454	8-69 42	1,024	-.06 28	50
52-32-0067	6065344	1369029	11-63	4 304 19,858 3.49 762	10 16,050 3.50 561	9-69 43	641	.07 33	44
52-32-0074	5561170	1189679	7-61	4 305 17,500 3.33 583	8 13,313 3.61 481	8-69 44	903	-.07 22	42
52-32-0080	6802354	1347940	11-66	1 294 18,570 3.07 571	18 12,920 3.35 433	11-69 36	983	-.04 30	50
52-32-0084	6509667	1445278	10-65	1 305 18,170 3.58 650	36 14,500 3.65 529	7-69 35	983	-.08 24	45
52-33-0001	5449222	1189679	2-61	5 298 19,950 3.13 624	43 15,220 3.57 544	6-69 8 44	1,015	-.10 21	44
52-33-0001	5719068	1189679	8-62	3 302 19,390 3.76 730	42 16,183 3.52 569	5-69 8 42	797	.00 29	45
52-37-0038	4918003	1189679	8-59	7 305 17,189 3.19 548	17 13,446 3.47 467	11-69 44	865	-.08 20	39
52-42-0004	5100618	1320306	1-60	4 248 16,785 3.91 657	88 14,815 3.42 506	8-69 8 41	466	.09 30	37
52-42-0004	6230384	1342351	10-63	3 305 19,826 3.49 692	40 14,993 3.45 518	12-68 37	684	.02 27	40
52-42-0004	6987790	1261857	4-66	2 305 18,835 3.17 598	153 14,910 3.48 519	8-69 40	850	.02 33	49
52-42-0004	7175593	1261857	11-66	1 305 17,090 4.02 687	149 14,960 3.33 498	7-69 36	637	.12 40	50
52-42-0004	7175594	1261857	12-66	1 305 20,270 3.00 608	65 15,340 3.47 533	4-69 36	848	.01 32	49
52-42-0004	7190910	1261857	1-67	1 282 19,110 3.61 689	47 15,330 3.37 517	10-69 36	762	.08 39	52
52-42-0004	7342877	1261857	8-67	1 305 22,050 3.37 742	96 16,540 3.45 571	1-70 36	900	.05 40	57
52-42-0005	5888477	1320306	10-63	2 305 27,085 3.65 989	26 18,105 3.66 662	5-69 37	1,212	.02 47	70
52-42-0005	7156981	1261857	8-66	1 305 18,760 4.10 770	36 17,040 3.61 615	5-69 36	621	.11 39	48
52-42-0005	7156982	1261857	10-66	1 305 18,610 3.48 647	36 17,040 3.61 615	5-69 36	610	.05 29	40
52-42-0005	7300821	1261857	5-67	1 305 20,830 3.60 749	20 19,150 3.70 709	2-70 36	634	.06 31	42
52-42-0007	6564292	1399824	1-66	2 305 17,420 4.07 709	50 14,415 3.99 575	11-69 40	682	.04 30	43
52-42-0007	6589421	1441440	2-66	1 305 17,310 3.81 660	72 13,520 3.99 540	9-68 35	711	.01 27	41
52-42-0007	6629835	1441440	5-66	2 305 22,900 3.55 813	37 15,245 4.03 614	2-70 40	1,196	-.03 38	63

COW LAST HERO CODE	..REGISTRATION...		COW MO-YR	..COW'S AVERAGE PRODUCTION.				..HEROMATE AVERAGES..				LAST CALVD MO-YR	T C REPT O	.....C O W I N O E X.....				
	COW NUMBER	SIRE NUMBER		RECS	OAYS	MILK (LB)	FAT (%)	FAT (LB)	NO.	MILK (LB)	FAT (%)			FAT (LB)	MILK (LB)	FAT (%)	FAT (LB)	OOL- LARS
52-42-0007	6823991	1399824	1-67	1	305	16,640	4.10	683	61	14,210	3.94	560	10-69	36	579	.04	26	\$ 37
52-42-0007	6832316	1399824	1-67	1	305	18,000	3.81	686	43	14,440	4.02	580	12-68	36	665	.01	25	38
52-43-0018	6475707	1441440	2-66	3	305	19,570	3.31	648	24	16,706	3.31	553	1-70	42	754	.00	27	42
52-43-6013	6397959	1421505	8-65	2	305	20,660	3.44	711	103	14,240	3.47	494	10-69	40	937	-.05	26	46
52-53-0005	7103710	1271810	9-67	1	305	24,140	3.38	816	7	16,850	3.86	651	12-69	36	907	-.09	20	40
52-53-0050	6671531	1330987	7-66	1	305	21,770	3.31	720	25	16,480	3.45	569	7-69	36	758	.02	30	45
52-53-0059	5612626	1222994	7-62	4	305	17,068	4.45	759	28	15,330	3.87	593	2-69	44	517	.09	32	40
52-53-0059	6606156	1366152	9-66	1	305	23,770	3.65	868	20	16,100	3.86	621	1-69	35	760	.00	28	43
52-53-0067	5556291	1353994	2-61	6	301	18,385	4.31	792	21	15,308	3.96	606	1-70	32	510	.09	31	39
52-53-0067	6334758	1441298	5-65	3	305	18,060	3.67	662	29	14,856	3.83	569	7-69	39	967	-.07	24	45
52-53-0067	6399587	1441298	6-65	1	305	20,790	3.69	768	45	16,740	3.75	628	1-70	33	973	-.06	26	47
52-53-0067	6399588	1441298	6-65	1	305	20,420	3.79	774	44	16,570	3.78	627	12-69	33	956	-.06	26	46
52-53-0067	6399591	1441298	9-65	2	305	19,265	3.60	694	36	16,610	3.80	631	12-68	37	899	-.08	21	41
52-53-0067	6399592	1441298	9-65	3	305	20,596	3.63	747	39	16,653	3.78	630	1-70	39	1,078	-.07	28	51
52-53-0067	6545911	1441298	1-66	2	305	20,130	3.53	711	31	15,200	3.78	575	6-69	37	1,127	-.08	28	52
52-53-0067	6792276	1452421	2-67	1	305	19,720	3.68	725	52	14,310	3.74	535	7-69	8 25	714	-.01	25	39
52-53-0067	6792279	1441298	2-67	1	305	17,050	3.69	629	52	14,210	3.74	531	7-69	33	858	-.06	22	41
52-53-0067	6813413	1348259	5-67	1	305	20,670	3.66	756	48	16,890	3.75	633	1-70	36	667	.00	24	37
52-53-0067	6874388	1441298	3-67	1	305	19,860	3.54	704	52	14,210	3.74	531	7-69	33	1,080	-.07	28	51
52-53-0067	6999864	1347940	8-66	1	305	17,070	3.88	663	45	14,430	3.71	536	6-69	36	770	.02	30	45
52-53-0075	5797453	1407817	11-62	3	300	21,077	3.75	791	17	15,663	3.86	604	1-69	41	787	.01	30	45
52-53-0075	6219343	1392774	11-63	4	303	18,837	4.14	779	27	15,555	3.84	598	10-69	44	509	.07	29	37
52-53-0075	6324804	1122127	7-63	5	299	19,954	3.56	710	15	15,782	3.88	613	2-70	44	869	-.08	19	38
52-53-0075	6425721	1299488	8-65	2	303	20,425	3.73	761	30	15,100	3.73	563	6-69	34	761	-.02	25	40
52-53-0075	6749000	1406271	8-66	1	305	20,070	3.66	735	37	15,570	3.74	583	7-69	36	806	.03	33	48
52-53-0114	6098551	1392774	12-63	4	305	16,295	3.74	610	18	11,515	3.68	424	12-69	44	645	.03	27	39
52-53-0119	6369910	1445278	10-65	1	305	15,360	3.70	569	21	13,630	3.66	499	3-69	35	828	-.07	20	38
52-53-0122	5275025	1189679	8-60	6	302	16,953	3.72	630	25	14,445	3.71	536	6-69	44	718	-.03	22	37
52-53-0128	5500851	1189679	12-61	6	302	18,575	3.84	713	10	15,568	3.74	583	2-70	44	797	-.01	28	44
52-53-0142	7077832	1347940	9-67	1	305	18,590	3.43	637	13	15,060	3.76	566	2-70	36	841	-.03	26	43
52-53-0145	6075513	1263152	12-63	3	305	21,220	3.84	815	27	16,390	3.83	628	2-69	42	622	.03	27	39
52-53-0145	6377889	1446286	8-65	2	305	19,205	3.80	730	28	15,420	3.79	585	9-69	32	733	-.01	25	40
52-53-0145	6805718	1330987	3-67	1	305	19,300	3.70	714	32	16,130	3.85	621	10-69	36	597	.03	26	37
52-53-0145	6826760	1458744	11-66	2	281	18,615	3.53	657	33	15,965	3.80	607	9-69	40	814	-.04	24	41
52-53-0153	6409276	1453418	9-65	3	303	20,450	4.03	824	27	16,723	3.63	607	12-69	39	588	.07	31	41
52-53-0153	6475549	1263152	7-65	2	305	21,030	3.67	772	5	15,795	3.49	552	3-69	40	589	.04	27	38
52-53-0163	6601609	1347940	7-66	2	305	18,990	3.48	661	13	16,685	3.64	608	2-70	40	798	-.03	25	41
52-53-0163	6767521	1347940	10-66	1	305	21,390	3.19	682	17	16,770	3.45	579	5-69	36	935	-.04	28	48
52-53-0163	6851402	1357797	8-67	1	305	19,080	3.88	740	19	16,900	3.35	566	8-69	35	428	.15	37	42
52-53-0163	6851404	1347940	7-67	1	305	19,490	3.08	601	20	16,360	3.38	553	7-69	36	821	-.04	24	41
52-53-0163	7020710	1347940	11-67	1	305	20,030	3.55	711	15	17,270	3.64	628	1-70	36	800	-.01	27	43
52-53-0163	7020711	1347940	12-67	1	305	18,480	3.57	660	9	16,530	3.64	602	3-70	36	734	-.01	25	40
52-53-0185	6805329	1347940	4-67	1	275	16,330	3.18	519	6	12,780	3.33	426	6-69	36	826	-.03	26	43
52-53-0185	6916809	1347940	3-67	1	305	19,800	3.06	605	7	13,710	3.19	438	7-69	36	1,022	-.03	32	53
52-53-0191	6215186	1263152	6-64	4	304	18,915	3.98	753	28	14,883	3.72	554	6-69	44	547	.06	29	38
52-53-0191	6678011	1406271	8-66	1	305	20,600	3.55	731	74	13,970	3.73	521	11-68	36	953	.02	37	55
52-53-0191	6678013	1406271	10-66	2	305	17,075	3.70	631	48	13,970	3.77	526	3-70	40	747	.03	31	45
52-53-0191	6802220	1406271	12-66	2	281	16,755	3.69	618	61	13,945	3.76	525	1-70	40	716	.02	29	43
52-53-0208	6535744	1347940	2-66	2	305	15,350	3.60	552	13	13,840	3.67	508	7-69	40	688	-.01	23	37
52-53-0208	6851403	1347940	6-67	1	305	16,330	3.64	595	11	12,150	3.74	455	7-69	36	868	-.01	30	47
52-53-0218	5047495	1293105	2-60	3	305	20,023	3.99	798	20	16,177	3.66	592	9-69	29	580	.07	31	41
52-53-6005	5319994	1189700	11-60	6	285	17,253	4.21	727	15	14,918	3.83	571	8-69	8 44	528	.07	29	38
52-53-6005	5714551	1189870	8-62	5	273	19,294	3.67	708	12	15,190	3.88	590	10-69	8 44	759	-.02	25	40
52-53-6005	6512360	010265607	5-60	3	305	21,390	3.38	724	17	15,446	3.88	599	10-68	37	1,095	-.05	32	55
52-53-6203	6455260	1406271	5-65	3	288	16,260	3.86	627	34	14,493	3.71	537	6-69	8 42	626	.05	30	41
52-53-6203	6911977	1406271	11-66	1	268	19,150	3.49	669	33	13,570	3.72	505	6-69	8 36	872	.01	33	50
52-54-0002	4948947	1189679	11-59	7	301	18,009	3.44	620	33	14,851	3.74	556	11-68	44	807	-.07	19	37
52-54-0002	5885124	1369029	8-63	4	301	21,130	3.80	802	32	15,313	3.68	564	12-69	43	882	.04	38	54
52-54-0002	6204237	1435713	8-64	3	302	18,483	3.77	697	41	14,113	3.76	530	10-69	32	745	.00	27	42
52-54-0011	5420254	1189679	7-61	6	301	18,890	3.39	641	14	15,340	3.70	568	6-69	44	864	-.08	20	39
52-56-0013	6267276	1223904	1-65	2	305	21,430	3.58	767	52	14,790	3.69	546	3-69	40	771	-.04	22	38
52-56-0023	6418493	1336050	8-65	1	305	15,750	3.54	558	6	12,150	3.61	439	2-69	35	715	-.01	25	39
52-56-0034	6221195	1383926	12-64	3	305	21,873	3.25	710	37	15,730	3.74	589	3-69	42	1,019	-.05	29	51
52-56-0034	6308339	1386406	3-65	3	305	21,103	4.06	856	39	15,456	3.80	587	1-70	42	966	.06	44	62
52-56-0034	6403198	1409518	2-65	4	305	19,357	3.76	727	32	15,522	3.74	581	4-70	35	669	.01	26	39
52-56-0034	7052074	1360676	2-68	1	305	20,310	3.84	779	31	16,200	3.83	621	2-70	34	804	.01	31	47
52-56-0040	6040036	1347940	10-63	4	302	22,425	3.83	858	12	17,277	3.94	680	6-69	44	1,183	.00	42	66
52-56-0040	6694808	1347940	7-65	2	305	18,320	3.37	618	46	12,615	3.90	492	11-69	40	1,101	-.06	31	54
52-56-0040	7050709	1447141	8-66	2	298	15,335	4.60	706	47	12,595	3.88	489	10-69	35	826	.12	47	60

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	FAT (%)	PRODUCTION FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C REPT	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..OOL- LARS
52-60-6036	6919348	1236789	9-67	1 305	21,860	3.93	859	9 18,160	3.51	638	1-70	35	712	.04	32	\$ 45
52-62-0001	5147227	1189679	8-60	6 303	15,137	3.61	546	20 12,175	3.44	419	10-69	44	748	-.01	25	40
52-67-0008	6387470	1199324	8-65	1 305	20,400	4.04	824	50 16,170	3.63	587	11-68	36	842	.03	35	51
52-67-0011	5533763	1189679	9-61	5 302	17,948	4.20	753	23 16,340	3.86	630	9-68	44	627	.03	27	39
52-67-0011	6102700	1199324	1-64	4 305	21,335	3.75	801	27 16,977	3.80	645	12-69	44	1,029	-.01	36	57
52-68-0008	5094344	1189679	1-60	7 300	17,244	3.84	662	19 14,751	3.90	576	4-69	44	720	-.03	22	37
52-68-0011	6849197	1406271	10-66	1 305	17,310	3.78	654	27 15,490	3.74	580	8-69	36	606	.04	27	38
52-70-0008	5667787	1311829	2-62	4 305	18,908	3.67	694	26 14,033	3.72	522	12-69	36	790	-.02	25	41
52-71-0007	5916480	1364368	9-63	4 305	19,540	3.69	722	30 15,208	3.54	538	2-70	34	719	.01	27	41
52-71-0007	6470918	1291151	1-66	2 305	18,665	3.59	670	25 13,985	3.47	485	8-69	30	640	.01	25	37
52-72-0022	5593842	1189679	6-60	4 305	20,010	3.89	778	24 16,475	3.62	597	11-69	44	861	.01	33	50
52-72-0022	5691053	1189679	6-62	5 305	22,352	3.82	853	26 17,310	3.58	620	4-70	44	1,082	.01	41	62
52-72-0022	6234693	1263152	10-64	3 305	21,157	3.72	788	23 15,797	3.65	576	6-69	42	676	.03	29	42
52-72-0028	6472532	1244009	1-66	2 303	19,900	3.67	731	26 13,865	3.66	507	9-69	40	1,049	-.03	33	55
52-72-0028	6734532	1261857	1-67	1 305	18,280	3.44	629	23 15,930	3.61	575	3-69	36	660	.05	31	43
52-72-0038	5234858	1189679	9-59	3 304	20,157	3.32	670	14 14,100	3.60	508	9-69	42	1,101	-.08	28	52
52-73-0002	4949339	1189679	7-59	8 303	17,790	3.46	615	14 13,970	3.69	516	6-69	44	881	-.06	23	42
52-73-0004	6798566	1330987	11-66	1 305	16,610	3.78	628	17 13,860	3.54	490	2-69	36	549	.06	28	37
52-74-0007	7285534	1261857	11-66	2 284	15,395	3.96	610	22 13,290	3.79	504	11-69	40	649	.09	36	47
52-75-0004	6094302	1179373	1-64	2 301	19,380	3.51	680	10 12,035	3.70	445	3-70	40	787	-.03	24	40
52-75-0028	5377429	1189679	4-61	6 304	17,432	3.84	670	28 14,710	3.76	553	12-69	44	749	-.01	25	40
52-75-0040	5595643	1199324	10-61	5 305	17,546	3.68	646	18 15,048	3.71	558	3-69	44	784	-.02	26	42
52-75-0040	6530943	1452882	12-65	3 305	23,090	3.33	768	13 16,116	3.74	602	12-69	33	1,132	-.09	28	53
52-75-0040	6999617	1417208	10-66	1 305	20,780	4.56	947	20 16,820	3.67	617	4-69	36	751	.10	42	54
52-77-0011	5629561	1189679	9-62	5 302	19,570	3.02	591	24 14,058	3.59	505	12-69	44	1,101	-.12	21	46
52-77-0011	5646259	1189870	12-61	3 275	18,570	4.01	744	30 15,460	3.58	553	9-69	42	597	.07	31	41
52-82-0001	6566106	1330987	11-65	1 305	19,550	3.50	685	14 14,460	3.40	492	1-70	36	728	.05	33	46
52-82-0001	6566107	1330987	11-65	1 305	18,110	3.24	586	9 13,890	3.51	487	2-70	36	659	.02	26	39
52-82-0002	5743344	1270890	2-63	3 305	19,037	3.81	726	16 15,277	3.52	538	11-69	34	624	.04	28	39
52-82-0003	5778240	1199324	11-62	4 305	25,510	3.36	858	27 19,357	3.46	669	4-69	44	1,280	-.04	40	66
52-82-0003	6213901	1330987	8-64	3 304	21,717	3.54	768	43 19,053	3.49	664	9-68	42	678	.04	30	42
52-82-0003	6478408	1330987	7-65	3 304	26,267	3.32	871	36 19,123	3.63	695	11-69	42	1,194	-.03	39	63
52-82-0003	6915689	1347940	7-67	1 305	21,380	3.60	770	42 17,880	3.56	636	9-69	36	860	.00	31	48
52-82-0004	6894486	1406271	4-67	1 305	19,440	2.97	577	17 15,300	3.27	501	8-69	36	777	-.01	27	43
52-82-0006	5892566	1189679	8-63	4 302	19,340	3.37	652	12 16,123	3.45	556	6-69	44	817	-.05	22	39
52-82-0010	4960611	1263152	11-59	4 305	22,905	4.41	1011	30 18,388	3.46	636	8-69	44	650	.20	52	60
52-82-0010	6416831	1454671	10-65	3 301	22,376	3.70	828	36 17,660	3.43	606	10-69	33	1,072	.04	45	65
52-82-0010	6524688	1454671	9-65	2 305	22,575	3.67	829	30 18,220	3.39	618	12-69	30	979	.04	41	59
52-82-0010	6524690	1454671	3-66	2 305	19,340	3.49	675	37 17,575	3.47	609	8-69	30	663	.00	24	37
52-82-0010	6673823	1454671	5-66	2 305	20,415	3.19	651	25 17,630	3.47	611	6-69	30	786	-.05	21	38
52-82-0010	6673824	1454671	5-66	2 305	24,150	3.90	943	32 18,475	3.41	630	12-69	30	1,139	.09	54	74
52-82-0010	6673826	1454671	6-66	2 305	22,495	3.22	725	31 18,820	3.38	637	10-69	30	906	-.04	27	46
52-82-0010	6673827	1454671	6-66	2 305	23,760	3.52	837	32 17,265	3.45	596	7-69	30	1,223	.01	45	69
52-82-0010	6673828	1454671	6-66	2 305	23,835	2.97	709	27 17,390	3.46	602	6-69	30	1,218	-.10	29	56
52-82-0010	6673829	1454671	7-66	2 305	28,030	3.19	895	30 18,875	3.34	631	11-69	30	1,558	-.05	48	80
52-82-0010	6673832	1454671	9-66	2 305	24,685	3.47	857	28 18,840	3.41	643	1-70	30	1,164	.00	42	65
52-82-0010	6673834	1454671	10-66	2 295	20,550	3.47	713	35 18,105	3.41	617	9-69	30	751	.01	28	43
52-82-0012	4927273	1056882	6-59	3 305	21,627	3.25	703	28 14,623	3.26	476	11-68	42	796	-.02	26	42
52-82-0012	5795889	1199324	12-62	5 305	18,182	3.27	595	23 14,684	3.28	481	7-69	44	908	-.03	29	48
52-82-0012	6227505	1294703	10-64	3 305	17,993	3.51	632	28 14,607	3.45	504	10-69	42	785	-.03	24	40
52-82-0014	5680118	1369404	8-62	5 305	22,426	3.34	750	9 14,572	3.60	525	11-69	38	1,257	-.04	39	65
52-82-0027	5341492	1302435	5-61	6 302	19,970	3.26	651	5 15,325	3.50	537	5-69	37	800	-.06	20	37
52-82-0027	5870136	1302435	7-63	4 305	19,275	3.62	697	15 14,935	3.60	538	11-69	36	725	.00	26	40
52-82-0027	6593168	1261857	3-66	2 303	19,400	3.51	681	13 15,840	3.54	560	5-69	40	822	.06	38	53
52-82-0027	6615374	1261857	6-66	2 305	16,670	3.63	605	23 14,120	3.58	506	8-69	40	702	.07	35	47
52-82-0027	6615375	1261857	7-66	2 305	17,015	3.93	669	21 14,445	3.61	522	11-69	40	708	.10	40	52
52-82-0040	6318010	1303198	5-64	3 301	18,793	4.27	802	14 15,653	3.64	570	10-69	42	554	.10	34	43
52-82-0040	6803312	1261857	8-66	1 305	18,470	3.99	737	22 16,910	3.64	616	7-69	36	609	.10	36	46
52-82-0041	5181777	1216873	10-60	5 302	19,430	3.35	651	9 15,034	3.34	502	7-69	44	727	.00	26	40
52-82-0057	6143707	1330987	7-64	3 303	19,313	3.80	733	26 16,290	3.51	571	5-69	42	687	.08	36	48
52-82-0057	6649326	1407817	7-66	1 305	27,300	3.36	917	30 17,310	3.73	645	1-69	35	938	-.03	30	49
52-82-0057	6172578	1438758	8-66	2 305	23,010	3.08	709	22 16,680	3.60	601	2-70	40	1,071	-.15	16	41
52-82-0064	5257880	1010936	8-60	7 304	20,653	3.28	678	13 16,561	3.41	565	1-70	44	737	-.01	25	40
52-82-0064	6479982	1316112	10-65	3 297	21,680	3.66	793	14 17,143	3.42	586	12-69	42	579	.10	35	44
52-82-0096	5796058	1244845	11-62	3 302	19,473	3.39	661	12 14,223	3.46	492	8-69	42	827	-.05	23	41
52-82-0101	5475521	1189679	1-62	4 305	20,810	3.28	682	9 17,018	3.45	587	5-69	44	900	-.06	23	42
52-82-0101	6374355	1268297	7-65	2 305	19,555	3.84	750	20 16,265	3.48	566	9-69	40	528	.10	34	42
52-82-0101	6767982	1261857	1-67	1 305	21,680	3.07	666	23 16,410	3.64	597	7-69	36	881	.00	32	49
52-82-0105	5840279	1189870	3-63	4 301	20,300	3.65	740	21 16,765	3.53	591	2-70	44	688	.02	28	41
52-82-0105	6427606	1347940	8-65	2 305	19,445	3.89	756	20 16,875	3.53	595	1-69	40	826	.04	36	51
52-82-0105	6930353	1261857	1-67	1 305	21,570	3.72	803	17 18,440	3.60	663	4-69	36	737	.08	38	51
52-82-0115	5628824	1252142	3-62	6 292												

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	.....C O W REPT (%)	MILK (LB)	I N O FAT (%)	E X FAT (LB)	..... OOL- LARS
52-85-0033	7094935	1379208	8-67	1 305	18,670	3.31	618	66	13,590	3.60	489	12-69	35	772	-.03	24	\$ 40
52-86-0009	5960125	1222994	3-63	4 296	18,195	3.67	668	25	14,773	3.55	524	2-69	44	718	.01	28	42
52-86-0009	6443718	1459811	12-65	2 305	20,200	3.81	769	25	15,250	3.57	545	11-69	25	643	.04	29	41
52-86-0031	6500688	1439282	10-65	2 289	19,375	3.17	614	7	14,005	3.19	447	5-69	30	748	-.03	22	38
52-88-0013	5527309	1189679	9-61	5 304	19,388	3.72	721	17	13,572	3.78	513	12-68	44	1,134	-.03	37	60
52-88-0013	6901662	1379208	6-67	1 305	18,970	3.84	728	26	14,340	3.79	543	6-69	35	744	.01	29	43
52-92-0001	5405756	1189870	9-61	4 299	20,133	3.65	734	44	15,995	3.60	576	4-69	44	753	.01	29	44
52-92-0001	5905631	1419662	8-63	2 305	21,475	3.19	685	64	15,435	3.52	544	11-68	29	790	-.05	21	38
52-92-0001	6004442	1189870	10-63	3 305	20,053	3.34	670	48	15,480	3.64	564	4-70	42	765	-.04	22	38
52-92-0001	6384257	1454572	8-65	2 296	19,800	3.60	712	74	15,555	3.63	565	9-68	29	746	.01	28	43
52-92-0001	6471292	1454572	10-65	1 305	19,840	3.72	738	82	15,390	3.59	553	10-68	23	646	.03	27	39
52-92-0001	6471295	1454572	11-65	2 305	20,755	3.77	783	54	15,775	3.56	562	11-69	29	837	.05	37	52
52-92-0001	6471316	1453671	2-66	2 305	20,365	3.71	756	55	15,715	3.58	562	12-69	29	653	.03	28	40
52-95-0007	5504525	1359420	2-62	6 303	20,755	3.47	720	18	15,920	3.49	556	3-70	36	915	.02	36	54
52-95-0007	6995187	1377954	10-67	1 305	20,320	3.06	622	13	15,650	3.48	545	3-70	36	732	-.03	22	37
52-95-0012	6040005	1199324	1-64	3 305	16,940	3.47	588	19	12,973	3.64	472	6-69	42	909	-.03	28	47
52-95-0058	6968714	1261857	9-67	1 305	21,660	3.31	717	14	16,070	3.45	555	11-69	36	903	.04	39	56
52-95-0058	6968717	1261857	6-67	1 305	20,780	3.72	774	14	16,070	3.45	555	11-69	36	837	.09	43	57
52-98-0003	6581511	1316112	12-65	2 305	20,400	3.62	739	30	15,650	3.51	549	9-69	40	516	.09	31	39
52-98-0003	6774665	1406271	9-66	2 290	20,915	3.30	690	18	16,355	3.52	575	2-70	40	919	-.01	32	50
52-98-0003	6774666	1406271	9-66	1 305	19,460	3.49	680	27	15,460	3.54	547	8-69	36	768	.03	32	46
52-98-0018	5668498	1355003	9-62	4 305	20,677	3.54	732	16	16,052	3.46	555	3-69	37	778	.00	28	43
52-98-0018	5790156	1401152	1-63	5 304	22,718	3.42	778	19	16,558	3.50	580	9-69	36	903	-.03	28	47
52-98-0018	6689563	1448231	9-66	1 305	24,280	3.68	894	25	15,650	3.62	566	12-68	19	836	.01	32	48
54-02-0029	6443240	1445278	12-65	2 293	16,800	3.66	615	53	13,760	3.68	507	8-69	39	938	-.07	25	46
54-02-0029	6633289	1406271	8-66	2 301	19,035	4.00	761	50	13,695	3.65	500	8-69	40	971	.07	46	63
54-02-0029	6633291	1406271	9-66	2 305	16,775	3.90	654	50	13,695	3.65	500	8-69	40	741	.06	35	48
54-02-0046	5328478	1326940	12-60	5 295	18,136	3.31	601	6	12,942	3.63	470	4-69	35	819	-.06	21	39
54-02-0046	5490691	1326940	10-61	3 305	19,110	3.71	709	12	14,567	3.51	511	3-69	32	674	.03	28	41
54-02-0054	5921276	1329588	12-63	5 298	19,214	3.62	696	38	15,310	3.79	581	11-69	44	747	-.04	21	37
54-02-0054	6271200	1433357	10-64	3 305	21,820	3.44	751	30	15,750	3.78	595	4-69	31	850	-.05	23	41
54-02-0056	6785384	1441440	11-66	2 305	19,880	3.97	790	21	16,980	3.78	642	11-69	40	729	.05	33	46
54-10-0002	5755193	1379208	6-62	2 305	20,375	3.85	784	29	15,395	3.42	527	10-68	40	890	.05	40	56
54-10-0002	5839005	1379208	9-62	3 305	19,907	3.48	692	25	16,950	3.43	582	1-69	42	735	.00	26	41
54-10-0002	6482729	1242221	2-65	3 303	20,093	3.32	668	20	17,147	3.52	604	4-69	41	1,038	-.04	32	53
54-10-0002	6482730	1242221	4-65	3 300	21,520	3.34	718	38	16,163	3.42	552	11-69	41	1,312	-.02	44	71
54-13-0024	6595142	1273756	9-65	3 296	16,506	3.73	616	27	14,913	3.37	503	10-69	42	518	.06	28	37
54-13-0024	7270224	1273756	10-67	1 305	19,610	3.15	617	16	13,870	3.63	504	4-70	36	783	-.02	25	41
54-13-0033	6829373	1379208	11-66	1 305	22,130	3.19	707	16	16,200	3.37	546	9-68	35	856	-.03	27	45
54-13-0033	6829374	1379208	1-67	1 305	22,850	3.23	738	14	16,840	3.44	580	10-69	35	867	-.03	27	45
54-13-0051	6840236	1434554	10-65	2 228	20,340	4.20	855	9	14,555	3.57	519	10-68	8 29	893	.10	47	62
54-13-0051	6840239	1434554	11-65	2 235	19,345	3.77	729	10	14,450	3.61	521	10-68	8 29	785	.02	32	41
54-13-0051	6840241	1434554	11-65	2 244	18,195	3.56	648	11	14,205	3.58	509	9-68	8 29	674	-.01	23	37
54-13-0060	6455444	1353255	12-65	2 305	19,010	3.35	637	11	11,690	3.39	396	2-70	32	906	.02	35	53
54-13-0060	6455445	1353255	1-66	2 305	17,990	3.10	557	13	11,760	3.57	420	6-69	32	781	-.04	23	39
54-17-0002	5237724	1322299	9-60	7 301	19,561	3.18	622	9	13,796	3.66	505	2-70	34	901	-.10	17	37
54-17-0040	6612914	1347940	7-66	2 305	16,080	3.37	542	10	14,005	3.41	477	1-70	40	747	-.01	25	40
54-17-0040	6874577	1347940	8-67	1 303	15,190	3.61	549	15	12,410	3.38	420	8-69	36	765	.01	29	44
54-19-0003	6498662	1425910	10-65	3 305	21,290	3.76	800	28	14,673	3.80	558	3-70	32	1,010	.00	36	56
54-19-0029	6485772	1346850	7-65	3 305	22,890	3.23	740	18	16,897	3.46	585	12-69	42	890	-.07	21	41
54-19-0029	6661350	1271810	1-66	2 305	22,215	3.46	769	20	16,715	3.43	574	10-69	40	908	-.05	26	45
54-19-0042	6629854	1347940	10-65	1 305	20,830	3.83	797	18	15,230	3.65	556	2-70	36	997	.01	38	57
54-19-0042	6753555	1376810	9-66	2 305	18,415	3.56	655	21	12,830	3.76	483	11-69	39	895	-.05	25	44
54-19-0042	6787661	1376810	9-66	2 305	18,005	3.39	611	19	12,750	3.80	484	8-69	39	860	-.07	20	39
54-19-0069	4975128	1063550	8-59	5 273	16,808	4.40	740	46	14,492	3.82	554	12-69	39	931	.12	40	50
54-19-0069	5206633	1063550	8-60	6 273	16,121	3.84	619	43	13,858	3.87	536	11-68	39	615	.02	25	37
54-19-0069	6453272	1432217	8-65	3 305	19,840	3.72	738	55	13,983	3.93	550	11-69	33	995	-.01	35	55
54-19-0069	6453273	1432217	8-65	2 302	18,530	3.75	694	47	14,585	3.89	568	1-69	30	697	.01	26	40
54-19-0069	6509767	1432217	9-65	2 305	19,605	3.66	717	43	13,375	3.92	524	9-69	30	955	-.01	33	52
54-19-0069	6509775	1432217	1-66	2 305	17,885	4.27	763	36	15,240	3.80	579	3-70	30	550	.09	33	42
54-19-0069	6509777	1458744	10-65	3 302	19,120	3.96	758	39	15,106	3.88	586	2-70	42	982	.02	38	57
54-19-0069	6509778	1458744	11-65	2 305	19,215	3.84	738	43	14,375	3.87	556	6-69	40	1,020	.00	37	57
54-19-0069	6533938	1432217	9-65	3 300	17,743	3.66	650	55	13,820	3.94	544	9-69	33	734	-.02	24	39
54-19-0069	6619284	1458744	5-66	2 305	18,640	3.48	649	41	14,555	3.85	561	2-70	40	946	-.05	27	47
54-19-0069	6619286	1458744	5-66	2 305	16,590	4.17	691	46	14,165	3.86	547	7-69	40	773	.03	33	47
54-19-0069	6619287	1458744	7-66	1 305	19,830	3.81	755	51	15,140	3.90	590	1-69	36	917	-.01	32	50
54-19-0069	7013876	1458744	2-67	2 292	17,665	3.83	677	58	14,490	3.91	566	11-69	40	853	-.01	30	47
54-19-0069	7013878	1458744	7-67	1 305	18,030	4.04	729	42	14,770	3.87	572	5-69	36	807	.01	31	47
54-19-0069	7082263	1458744	5-68	1 305	21,560	3.69	795	31	14,890	3.80	566	3-70	36	1,062	-.02	36	57
54-26-0012	6766276	1347940	2-67	1 305	18,820	3.03	570	8	15,240	3.43							

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C MO-YR O	.....C O W MILK (L8)	I N O E X..... FAT FAT (L8) (L8)	DOL- LARS
54-27-0063	6914482	1347940	8-67	1 305 20,400 3.44 701	61 15,790 3.79 599	11-69	36	927 -.04 28	\$ 47
54-27-0076	6661630	1406271	7-66	2 301 15,460 3.86 597	11 12,875 3.63 468	11-69	40	683 -.06 33	45
54-31-0024	6522392	1445278	11-65	2 302 16,920 4.00 676	18 15,230 3.74 570	8-69	39	843 -.04 25	43
54-31-0024	6726469	1278644	12-66	2 302 20,285 3.54 719	7 16,615 3.54 588	3-70	40	778 -.05 20	37
54-31-0024	6866064	1347940	8-67	1 305 17,260 3.95 681	15 15,410 3.57 550	9-69	36	719 .03 30	44
54-32-0001	5618695	1379208	2-62	4 305 17,090 3.64 622	8 13,698 3.65 500	11-69	43	767 .00 28	43
54-32-0014	4730531	1243314	8-58	6 305 21,217 3.33 707	12 15,348 3.70 568	6-69	35	1,010 -.08 25	47
54-32-0014	5591788	1257301	7-60	6 295 19,685 3.46 681	19 14,610 3.72 543	3-70	36	810 -.04 23	40
54-32-0014	5836683	1217478	10-62	3 305 18,603 4.55 847	23 16,297 3.77 614	11-69	42	406 .17 39	43
54-35-0019	6181603	1329588	2-64	3 305 17,963 3.33 599	17 13,357 3.45 461	3-69	42	757 -.04 21	37
54-35-0027	5761031	1199324	3-63	5 296 15,222 3.47 528	10 13,004 3.53 459	5-69	44	721 -.02 23	38
54-35-0048	6365513	1441440	5-65	1 305 19,520 3.31 647	7 15,650 3.36 526	2-69	35	733 .00 27	41
54-39-0021	6898227	1379208	9-67	1 305 17,380 3.55 617	15 13,420 3.75 503	8-69	35	686 -.01 23	37
54-39-0041	6431668	1346850	8-65	1 305 24,810 3.31 822	10 16,010 3.58 573	2-70	35	853 -.06 22	40
54-39-0041	6850553	1347940	8-67	1 294 19,810 3.34 661	8 17,610 3.38 595	11-69	36	761 -.02 25	40
54-42-0010	6428449	1445278	10-65	3 305 20,790 3.70 770	14 16,110 3.80 612	1-70	41	1,203 -.07 33	59
54-45-0001	6781297	1346850	3-65	2 301 20,400 3.17 646	8 13,290 3.54 471	11-68	40	881 -.08 20	39
54-49-0015	6393003	1347940	9-65	2 305 17,210 3.54 610	32 13,140 3.63 477	10-68	40	941 -.01 32	51
54-49-0015	6410965	1346850	9-65	2 305 19,330 3.55 686	52 13,625 3.69 503	9-69	40	741 -.04 21	37
54-49-0015	6616683	1347940	8-66	2 305 17,560 3.64 640	40 13,580 3.82 519	1-70	40	936 -.02 31	50
54-49-0015	6616684	1347940	8-66	2 305 15,815 3.41 539	56 13,670 3.72 508	9-69	40	751 -.03 22	38
54-49-0015	6718868	1376810	8-66	1 305 19,430 3.69 717	45 14,320 3.63 520	8-69	35	744 -.03 23	38
54-49-0015	6875459	1347940	8-67	1 305 15,680 3.97 622	40 13,870 3.75 520	12-69	36	704 .01 27	41
54-49-0015	7047628	1347940	7-67	1 305 18,640 3.50 653	43 14,260 3.65 520	8-69	36	898 -.02 30	48
55-00-0010	7315323	1261857	7-67	1 305 15,830 4.16 658	114 13,170 3.74 493	7-69	36	663 .10 38	49
55-00-0013	6599693	1261857	3-66	3 291 17,820 3.70 660	16 16,043 4.06 652	11-69	42	655 .02 26	39
55-00-0013	6803264	1261857	12-66	2 305 20,530 3.86 792	12 17,260 4.03 695	3-70	40	807 .05 37	52
55-00-0017	6229893	1434293	1-65	3 303 22,253 3.57 794	9 17,407 3.58 623	4-69	29	740 .00 26	41
55-00-0036	6796661	1261857	10-66	1 305 19,860 4.10 814	13 15,450 3.82 590	3-69	36	810 .10 44	58
55-00-0036	6832716	1261857	11-66	1 305 18,150 4.12 748	18 14,890 3.85 573	5-69	36	720 .10 40	52
55-00-0040	6630328	1261857	8-66	1 305 26,650 3.34 890	19 17,910 3.64 652	11-68	36	1,151 .02 45	67
55-00-0042	6449026	1330597	8-65	2 305 21,460 3.52 756	15 15,820 3.63 574	9-69	40	798 -.03 24	41
55-03-0001	4839365	1267257	9-58	7 303 22,652 3.51 794	38 14,108 3.44 486	7-69	36	1,401 -.02 48	76
55-03-0001	5219920	1308494	10-60	5 278 22,858 3.39 775	21 16,436 3.41 561	10-68	35	898 .00 33	51
55-03-0001	5511488	1354403	9-61	3 305 23,447 3.33 780	16 15,330 3.31 508	3-69	33	1,238 -.01 43	68
55-03-0001	6134304	1237057	9-64	3 305 19,927 3.52 702	22 15,420 3.36 518	1-70	42	822 -.02 26	43
55-03-0001	6450171	1237057	11-64	2 199 19,775 3.43 678	29 15,110 3.39 512	1-69	8	782 -.04 22	39
55-03-0001	7251954	1330987	11-67	1 305 18,550 3.01 558	16 12,930 3.45 446	10-69	36	756 -.01 26	41
55-10-0060	6570512	1406271	12-65	1 291 17,420 3.30 575	15 13,860 3.20 444	7-69	36	723 .03 31	44
55-10-6007	6793519	1261857	1-67	1 305 24,400 3.08 752	5 15,890 3.12 496	12-69	36	1,119 .03 45	66
55-10-6007	6832509	1261857	6-67	1 300 18,000 3.34 601	5 15,890 3.12 496	12-69	36	642 .07 34	45
55-10-6007	6832511	1261857	6-67	1 305 18,130 3.28 594	5 15,890 3.12 496	12-69	36	652 .07 34	45
55-10-6007	6938382	1261857	7-67	1 305 18,080 3.78 683	5 15,890 3.12 496	12-69	36	648 .11 40	50
55-10-6007	7326885	1261857	7-67	1 305 18,940 3.41 646	5 15,890 3.12 496	12-69	36	712 .08 37	49
55-10-6007	7326887	1261857	10-67	1 300 17,660 3.61 638	5 15,890 3.12 496	12-69	36	617 .10 37	47
55-10-6007	7326889	1261857	11-67	1 305 18,470 3.20 591	5 15,890 3.12 496	12-69	36	677 .06 33	45
55-11-0006	6007059	1393645	9-63	5 298 23,588 3.31 780	71 17,442 3.59 627	11-69	41	1,108 -.05 32	55
55-11-0006	6157685	1414893	10-64	3 305 22,270 3.59 799	59 17,476 3.53 617	6-69	34	814 .02 33	49
55-11-0006	6389875	1441026	8-65	2 298 21,250 3.57 759	57 17,305 3.64 630	10-68	36	985 -.05 28	49
55-11-0006	6504408	1441026	10-65	3 301 20,836 3.53 736	54 17,446 3.63 633	10-69	39	962 -.06 26	47
55-11-0006	6504413	1443161	12-65	3 290 20,506 4.00 820	57 18,370 3.53 649	11-69	39	637 .08 35	46
55-12-0012	6724653	1261857	8-66	1 305 18,580 3.26 606	22 15,780 3.50 553	4-69	36	693 .04 31	44
55-12-0012	6961655	1261857	12-66	1 305 19,720 3.66 722	22 15,910 3.48 554	5-69	36	769 .08 39	52
55-12-0012	6961657	1261857	6-67	1 287 19,610 3.62 710	23 14,890 3.63 541	11-69	36	829 .06 39	54
55-12-0012	6961658	1261857	8-67	1 305 19,070 3.56 679	38 14,530 3.64 529	8-69	36	813 .06 38	53
55-12-0012	6961659	1261857	8-67	1 305 16,600 3.39 562	34 14,330 3.70 530	10-69	36	642 .04 29	41
55-13-0023	5536953	1162188	2-62	5 289 18,252 3.57 651	16 12,660 3.75 475	12-68	8	964 -.05 27	47
55-17-0019	6385970	1222994	6-65	2 305 18,650 3.69 689	36 15,035 3.76 566	1-70	40	679 .00 24	38
55-18-0001	6613941	1347940	5-66	2 305 21,910 2.72 597	35 17,520 3.09 541	12-69	40	1,018 -.08 25	47
55-18-0006	6046976	1407362	2-64	4 303 18,232 4.02 733	15 15,887 3.75 596	7-69	37	537 .08 31	40
55-18-0006	6725677	1407362	11-66	2 291 19,920 4.46 888	22 17,330 3.96 687	11-69	32	533 .12 37	45
55-18-0006	6831268	1407362	1-67	1 305 20,810 4.08 849	5 17,420 3.80 662	4-69	27	529 .08 30	39
55-18-0006	7018565	1261857	11-67	1 305 27,600 3.93 1086	35 17,380 4.06 705	11-69	36	1,257 .07 56	79
55-18-0007	6476743	1237057	12-65	2 188 19,660 3.47 682	11 14,555 3.57 519	7-69	8	821 -.05 22	40
55-18-0021	5697956	1345354	11-62	4 305 16,777 4.11 690	23 13,980 3.82 534	12-68	42	485 .08 29	37
55-18-0034	6940174	1261857	1-67	2 305 22,560 4.17 941	9 17,260 3.75 648	1-70	40	1,013 .13 56	73
55-18-0041	6838630	1377954	11-65	2 305 18,200 3.69 672	14 14,780 3.63 537	10-69	40	704 .02 29	42
55-18-0051	6674556	1406271	8-66	1 305 17,820 3.37 778	14 14,690 3.91 575	6-69	36	698 .08 37	49
55-18-0051	6710249	1330987	8-66	1 305 18,510 4.11 761	5 16,270 3.96 645	4-69	36	529 .06 28	37
55-18-0051	6871819	1261857	3-67	1 305 17,000 3.91 665	6 14,760 4.00 591	5-69	36	643 .06 32	43
55-18-0051	6871821	1261857	6-67	1 305 17,450 3.90 680	10 13,770 3.91 538	7-69	36	743 .07 37	50
55-18-0051	6871822	1261857	7-67	1 291 17,240 4.40 758	12 14,160 3.85 545	9-69	36	701 .11 42	53
55-18-0051	6871823	1261857	8-67	1 296 17,280 4.14 715	12 14,160 3.85 545	9-69	36	704 .09 39	51
55-18-0051	7061991	1261857	9-67	1 301 15,680 3.81 598	11 13,730 3.90 536	8-69	36	614 .06 31	42
55-22-0015	6853340	1261857	5-67	1 305 22,690 3.50 794	35 13,450 3.54 476	5-69	36	1,155 .06 50	71
55-22-0015	7031263	1478906	1-68	1 305 19,400 3.52 683	22 13,700 3.58 490	2-70	23	690 -.01 24	38
55-22-0015	7069089	1478906	12-67	1 305 21,160 3.28 695	25 14,350 3.61 518	1-70	23	797 -.05 22	39
55-22-0023	7069088	1261857	8-67	1 305 16,540 3.43 568	6 14,440 3.57 515	9-69	36	630 .05 30	41
55-22-0024	6383017	1406271	2-65	3 305 17,746 3.89 691	13 14,906 3.68 548	2-70	42	755 .06 36	49
55-22-0024	6449914	1406271	8-65	2 305 17,285 3.62 625	12 14,485 3.73 540	12-68	40	721 .02 29	43
55-22-0024	6638174	1406271	8-66	2 305 17,280 3.62 625	12 15,460 3.66 566	12-69	40	631 .02 26	38
55-22-0035	5820556	1392836	1-63	4 305 22,000 3.82 840	18 16,155 3.78 611	3-70	33	960 .00 35	54
55-22-0035	6508488	1406271	10-65	2 305 18,620 3.88 723	23 16,190 3.82 618	8-69	40	701 .05 32	45
55-22-0035	6916909	1261857	8-67	1 302 22,760 4.12 937	23 17,670 3.68 651	1-70	36	877 .12 49	63
55-22-0043	6222404	1406271	8-64	3 305 22,913 3.33 762	17 15,730 3.47 546	12-69	42	1,263 .00 45	70

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C OC O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	00L- LARS
55-22-0043	6222405	1406271	8-64	3 301	19,500	3.27	638	8 14,976	3.59	538	6-69	42	949	-.02	31	\$ 50	
55-22-0043	6386032	1406271	8-65	2 305	19,615	3.86	758	7 15,825	3.53	558	6-69	40	835	.07	41	56	
55-22-0043	6441858	1406271	8-65	2 305	21,650	3.45	748	5 17,145	3.53	606	4-69	40	921	.01	35	53	
55-22-0043	6503779	1406271	10-65	2 305	21,305	3.43	730	12 16,690	3.34	558	4-70	40	928	.03	38	56	
55-22-0043	6525487	1406271	4-66	2 305	18,420	3.90	719	24 16,785	3.42	574	12-69	40	626	.09	35	45	
55-22-0043	6540047	1406271	12-65	2 301	20,430	3.39	692	23 16,660	3.66	609	12-69	40	842	-.01	29	46	
55-22-0043	6634640	1406271	6-66	2 305	24,070	3.31	797	7 15,650	3.55	555	6-69	40	1,303	-.01	45	71	
55-22-0043	6913260	1347940	9-67	1 305	21,730	3.49	758	28 18,080	3.51	635	1-70	36	873	-.01	30	48	
55-22-0043	6913263	1347940	10-67	1 305	23,410	3.44	806	30 17,230	3.63	626	11-69	36	1,055	-.03	34	56	
55-22-0043	6913265	1347940	10-67	1 305	24,920	3.15	785	27 16,930	3.66	620	10-69	36	1,187	-.06	33	58	
55-22-0043	6920347	1355784	10-67	1 305	22,570	3.39	765	33 17,560	3.62	635	11-69	35	917	-.09	20	40	
55-28-0002	6841667	1261857	6-67	2 305	21,115	3.51	741	9 17,830	3.79	675	2-70	40	815	.02	33	49	
55-28-0010	5427602	1192713	11-59	3 305	17,070	4.07	694	50 14,863	3.86	573	10-69	42	617	.03	27	38	
55-28-0010	5503822	1192713	7-61	5 305	17,314	4.10	710	42 14,732	3.76	554	2-70	44	683	.06	33	45	
55-28-0010	5742983	1338072	2-61	3 305	18,886	3.67	694	37 14,466	3.84	555	9-68	34	771	-.02	25	41	
55-28-0010	5817191	1338072	6-61	5 298	16,668	4.30	716	31 14,510	3.76	546	2-69	36	499	.09	31	39	
55-28-0010	5960098	1338072	8-63	4 305	19,280	3.79	730	35 14,962	3.84	575	11-69	35	802	.00	29	45	
55-28-0010	6855165	1301864	8-65	2 305	19,260	3.81	733	49 14,475	3.89	563	11-69	40	658	.02	26	39	
55-28-0010	7146614	1387978	11-67	1 305	19,140	3.88	742	23 15,430	3.82	589	3-70	35	710	.01	27	41	
55-28-0025	5668596	1230640	7-62	4 304	20,488	3.43	703	21 13,995	3.87	541	11-69	43	837	-.06	21	39	
55-28-0025	6465758	1301864	10-65	2 305	17,935	4.51	809	10 14,905	3.78	563	3-69	40	484	.11	34	41	
55-28-0025	6844018	1261857	4-67	1 305	19,150	4.05	776	25 14,650	3.82	560	5-69	36	811	.09	43	57	
55-28-0025	6917339	1377954	9-67	1 305	18,930	3.66	693	31 13,930	3.78	527	7-69	36	744	.01	29	43	
55-28-0026	6625481	1261857	8-66	1 305	16,430	3.67	603	46 12,490	3.81	476	7-69	36	753	.06	36	49	
55-28-0032	6617810	1261857	6-66	2 300	15,040	3.53	531	15 12,650	3.74	473	6-69	40	671	.04	30	42	
55-28-0032	6627382	1261857	10-66	1 302	17,010	4.25	723	18 14,950	3.62	541	4-69	36	631	.12	40	50	
55-28-0032	6664759	1347940	12-66	1 301	18,360	3.69	678	19 14,220	3.76	534	5-69	36	880	-.01	31	49	
55-28-0032	6734660	1347940	3-66	3 299	20,856	3.43	716	13 15,170	3.63	551	3-70	42	1,186	-.04	37	61	
55-28-0034	6553987	1347940	1-66	3 208	17,656	3.65	644	16 15,750	3.63	571	3-70	42	758	.00	27	42	
55-28-0035	4931618	1060259	9-59	5 302	20,246	3.33	675	36 13,664	3.86	527	9-69	44	1,174	-.09	28	54	
55-28-0035	6731517	1261857	9-66	2 304	28,055	3.82	1072	38 13,735	3.84	528	10-69	40	1,893	.07	80	116	
55-28-0035	6922341	1377954	7-67	1 304	20,970	3.23	678	40 15,470	3.77	583	11-69	36	792	-.03	24	40	
55-28-0035	6922344	1261857	8-67	1 299	21,090	4.05	854	38 14,050	3.79	532	10-69	36	996	.09	50	67	
55-28-0035	6922347	1387978	10-67	1 305	23,340	2.72	636	6 14,860	3.43	510	4-70	35	1,071	-.10	24	48	
55-29-0009	6354796	1244009	6-65	3 305	18,440	3.24	597	30 15,077	3.40	513	11-69	42	823	-.07	20	38	
55-29-0009	6594490	1261857	8-66	2 305	19,110	3.93	751	29 14,975	3.35	502	12-69	40	872	.13	50	64	
55-29-0009	6668338	1261857	10-66	2 297	17,465	3.63	634	21 15,895	3.32	527	1-70	40	621	.09	36	46	
55-29-0009	6668344	1261857	12-66	1 305	19,110	2.99	571	26 14,650	3.17	465	7-69	36	808	.03	34	49	
55-29-0009	6668345	1261857	12-66	1 305	19,350	4.06	785	21 15,370	3.31	508	5-69	36	777	.13	47	59	
55-29-0009	6874299	1261857	9-67	1 287	16,640	3.37	560	20 14,960	3.29	492	12-69	36	603	.06	31	41	
55-29-0009	6884361	1261857	8-67	1 293	17,450	3.38	590	20 14,960	3.29	492	12-69	36	663	.06	33	45	
55-33-0025	5565304	1192713	11-61	5 305	17,514	3.15	552	15 12,688	3.48	441	11-69	44	946	-.06	25	45	
55-33-0025	6418491	1336050	8-65	3 299	17,803	3.18	567	22 14,973	3.40	509	1-70	42	756	-.04	22	38	
55-33-0025	6599772	1452058	8-66	2 305	21,935	3.70	811	26 17,135	3.38	579	2-70	25	648	.05	31	43	
55-35-0003	6440340	1296729	9-65	2 305	20,625	3.71	766	28 14,900	3.63	541	7-69	40	831	-.05	23	41	
55-35-0049	5796664	1406160	7-62	4 300	18,593	3.87	720	15 15,113	3.59	542	3-69	33	585	.08	32	42	
55-35-0049	6851417	1454822	10-66	2 305	20,635	3.21	662	30 13,240	3.66	484	11-69	25	927	-.07	23	43	
55-35-0049	6851426	1417208	4-67	1 305	21,960	3.17	697	36 13,950	3.71	518	10-69	36	1,032	-.05	30	52	
55-35-0051	6406651	1347940	9-65	2 163	16,335	4.13	675	21 13,130	3.69	485	10-69	40	853	.05	38	54	
55-35-0051	6653149	1347940	8-66	2 305	18,755	3.62	678	17 12,395	3.68	456	10-69	40	1,166	-.01	41	64	
55-38-0003	6121092	1349055	2-64	3 305	20,973	3.68	771	12 16,347	3.78	618	3-69	34	757	-.03	23	39	
55-38-0003	6401047	1442047	10-65	2 305	21,255	3.60	765	17 16,525	3.77	623	11-69	29	785	-.04	23	39	
55-38-0003	6692003	1261857	10-66	1 305	23,510	3.92	922	18 16,610	3.70	615	6-69	36	1,004	.09	50	68	
55-38-0003	6692004	1261857	10-66	1 305	18,310	3.86	707	17 16,360	3.80	622	12-68	36	634	.07	33	44	
55-38-0003	6692005	1261857	11-66	1 305	20,000	4.01	802	11 17,520	3.84	672	4-69	36	682	.08	37	48	
55-38-0003	6692006	1261857	12-66	1 305	22,040	4.37	964	13 17,800	3.83	681	3-69	36	815	.13	49	62	
55-38-0003	6932454	1406271	7-67	1 305	18,650	3.67	684	31 16,940	3.69	625	9-69	36	608	.03	27	38	
55-38-0020	6903515	1482198	9-67	1 305	18,120	3.71	672	28 15,760	3.34	527	8-69	26	608	.05	29	40	
55-38-0026	6914471	1261857	8-67	1 305	17,080	4.06	693	22 12,950	3.68	477	9-69	36	771	.10	42	55	
55-38-0026	7208874	1261857	12-67	1 305	17,530	4.25	745	14 13,160	3.59	473	11-69	36	790	.12	46	59	
55-38-0034	6380453	1441026	7-65	2 305	22,070	3.43	756	45 16,760	3.42	574	11-68	36	1,126	-.05	33	57	
55-38-0034	6482077	1441026	10-65	2 305	18,220	3.51	639	41 16,510	3.32	548	8-69	36	737	-.02	23	38	
55-38-0034	6516637	1443161	12-65	2 288	19,660	3.90	766	38 17,560	3.31	582	2-69	36	599	.08	33	43	
55-38-0037	4952867	1192713	8-59	2 305	21,985	3.31	728	22 15,980	3.63	580	7-69	40	995	-.05	29	50	
55-38-0037	6719087	1261857	9-66	2 305	19,855	3.51	696	19 15,875	3.65	579	12-69	40	865	.04	37	53	
55-38-0037	6719088	1261857	9-66	2 305	20,285	3.73	757	34 15,235	3.63	553	9-69	40	967	.07	46	63	
55-38-0037	6821630	1261857	12-66	1 305	22,050	3.83	844	33 15,560	3.51	546	8-69	36	966	.09	49	66	
55-40-0009	4635209	1033908	6-58	5 304	20,310	3.70	751	23 15,416	3.43	529	1-69	44	595	.05	29	40	
55-40-0019	5198413	910991	7-60	3 305	22,300	3.53	787	29 16,957	3.50	593	11-68	42	728	.00	26	40	
55-40-0019	5718187	1212173	9-62	5 300	21,892	3.12	683	24 16,152	3.44	555	12-68	44	906	-.06	24	43	
55-40-0019	5963266	1199324	8-63	4 260	18,102	3.59	650	34 16,387	3.52	577	9-69	44	695	.00	25	39	
55-40-0019	6196460	1428868	11-64	3 3													

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	.....C O W REPT (%)	I N O E X..... MILK (LB)	FAT (%)	FAT (LB)	DOL- LARS
55-40-0062	6730917	1261857	9-66	2 305	19,475	3.48	678	21	14,785	3.77	558	12-69		40	926	.03	38	\$ 56
55-40-0062	6730918	1261857	9-66	1 305	18,050	4.14	747	27	14,620	3.78	552	7-69		36	731	.10	41	53
55-40-0062	6730919	1261857	11-66	1 305	18,100	3.60	651	29	14,700	3.77	554	8-69		36	729	.05	34	47
55-40-0062	6730920	1261857	12-66	1 305	17,470	4.10	717	29	14,700	3.77	554	8-69		36	682	.10	39	50
55-40-0062	6730921	1261857	12-66	1 301	17,100	3.72	636	29	14,970	3.81	570	10-69		36	637	.06	32	43
55-40-0067	6558229	1261857	4-66	2 296	17,185	3.67	630	14	14,730	3.67	541	11-69		40	699	.06	34	46
55-40-0067	6620649	1261857	5-66	1 305	18,240	3.27	597	20	15,370	3.70	568	12-68		36	695	.03	29	42
55-40-0067	6623164	1261857	6-66	2 305	18,015	3.12	562	20	14,990	3.64	546	12-69		40	759	.00	27	42
55-40-0067	7092184	1261857	9-66	1 287	16,180	4.04	654	10	14,640	3.69	540	8-69		36	590	.09	35	44
55-40-0082	6506409	1259069	1-65	2 303	22,060	5.28	1165	11	15,235	3.94	600	9-69		40	863	.19	60	72
55-40-0083	6873695	1261857	7-67	1 295	20,310	3.48	707	11	15,590	3.50	545	12-69		36	834	.06	39	54
55-42-0005	5851637	1049547	10-62	5 305	21,802	3.41	744	21	15,632	3.70	579	2-70		44	1,019	-.09	24	46
55-42-0005	5851644	1239886	2-63	5 298	20,206	3.37	680	31	16,042	3.63	583	9-69		44	699	-.02	23	37
55-42-0005	6110105	1179372	7-63	1 305	24,050	3.84	923	39	18,020	3.50	631	9-69		36	714	.05	33	46
55-42-0005	6714783	1261857	8-66	1 305	23,360	3.84	898	21	18,000	3.46	623	6-69		36	900	.10	48	63
55-42-0005	6714785	1239242	9-66	1 305	24,110	3.72	898	11	18,480	3.51	649	5-69		36	738	.02	29	43
55-43-0007	6172408	1222994	10-64	3 296	18,633	3.49	650	40	15,467	3.36	520	1-69	8	42	673	.00	25	38
55-43-0007	6279105	842876	12-64	4 299	20,915	3.01	629	32	15,808	3.29	520	3-70		43	970	-.09	21	43
55-43-0007	6504028	1192713	11-65	2 305	18,415	3.25	599	39	14,945	3.35	501	9-69		40	727	-.02	23	38
55-43-0007	6661641	1222994	9-66	1 305	21,330	3.62	772	28	15,710	3.13	491	4-69		36	753	.03	32	46
55-44-0013	4739748	1087974	12-56	7 305	15,190	3.50	532	25	12,423	3.52	437	7-69		44	673	.00	24	37
55-44-0062	6718365	1447414	5-65	2 305	18,415	3.97	731	30	16,025	3.69	592	2-70		34	1,020	.03	41	60
55-44-0062	6814648	1465714	7-66	1 305	23,470	2.89	679	29	16,650	3.66	609	1-70		29	1,022	-.15	15	39
55-44-0062	6935873	1444289	5-67	1 305	21,020	3.83	806	28	15,130	3.74	566	11-68		23	621	.04	28	39
55-44-0062	6978478	1261857	2-67	1 305	17,920	3.71	664	24	14,990	3.67	550	8-69		36	696	.07	35	47
55-47-0001	6164750	1402218	1-63	1 305	23,570	2.58	609	5	13,930	3.68	513	11-68		28	1,067	-.18	12	38
55-48-0035	6103082	1244009	2-64	4 305	18,810	3.15	593	13	13,998	3.64	510	9-69		44	1,008	-.11	20	43
55-48-0054	6413175	1406271	8-65	2 292	19,400	3.85	746	33	16,560	3.37	558	12-68		40	746	.08	39	52
55-48-0061	7041870	1261857	11-67	1 299	19,890	3.61	718	33	15,910	3.47	552	12-69		36	781	.07	39	53
55-48-0067	6658997	1467853	9-66	2 305	23,495	3.10	728	13	18,420	3.34	615	2-70		32	925	-.08	22	42
55-48-0067	7052406	1417208	8-67	1 305	23,800	2.99	712	17	18,750	3.22	604	10-69		36	847	-.03	26	44
55-53-0009	6487789	1352953	11-65	2 305	21,845	4.12	900	21	17,365	3.89	675	2-70		40	512	.07	28	37
55-53-0009	6487796	1443161	10-65	2 297	19,445	3.55	690	28	15,895	3.87	615	7-69		36	737	-.03	22	37
55-53-0009	6652061	1085978	9-66	2 296	21,080	3.74	788	47	18,185	3.91	711	1-70		40	790	-.04	23	40
55-53-0017	5017020	1060259	9-59	5 301	17,616	3.70	651	22	14,224	3.79	539	9-68		44	769	-.03	23	39
55-53-0017	7201130	1261857	7-67	1 305	23,180	3.62	839	25	19,900	3.61	718	2-70		36	759	.07	37	50
55-53-0017	7201133	1261857	8-67	1 305	18,890	3.73	705	23	17,340	3.53	612	11-69		36	611	.08	34	44
55-54-0037	6457647	1406271	9-65	3 300	19,000	3.72	707	25	14,600	3.74	546	11-69		42	930	.03	38	56
55-54-0037	6632680	1406271	7-66	2 303	16,685	3.78	631	34	13,510	3.85	520	9-69		40	749	.03	31	45
55-54-0037	6632682	1406271	9-66	2 299	16,075	3.83	615	34	13,510	3.85	520	9-69		40	687	.04	30	43
55-57-0004	6264076	1294703	10-64	1 305	20,580	3.28	674	30	15,940	3.45	550	12-68		35	787	-.06	20	37
55-57-0004	6446720	842876	10-65	2 305	20,590	3.27	674	23	15,145	3.47	525	5-69		40	896	-.06	23	42
55-57-0009	7139706	1377954	6-67	1 305	18,000	3.63	654	23	13,090	3.51	459	8-69		36	731	.02	30	44
55-59-0004	6719679	1261857	12-66	1 305	17,260	3.23	557	6	11,990	3.53	423	5-69		36	848	.04	36	52
55-59-0014	5267545	1293401	11-60	7 269	21,301	3.45	735	16	15,804	3.50	553	8-69	A	43	878	-.04	26	44
55-59-0014	5332672	1335152	5-61	6 305	19,705	3.21	633	17	15,168	3.46	525	6-69		35	861	-.09	18	37
55-59-0040	6133305	1184848	9-64	4 299	19,508	3.72	726	15	15,405	3.71	571	12-69	H	44	567	.07	30	40
55-59-0040	6904644	1261857	6-67	1 305	19,390	3.64	705	13	16,820	3.70	622	5-69		36	683	.06	33	45
55-61-0009	6302909	1329588	11-64	4 299	19,140	3.41	652	24	14,365	3.55	510	12-69		44	823	-.05	23	40
55-61-0015	6907426	1487297	9-67	1 305	22,490	3.36	756	16	15,300	3.24	495	10-69		27	807	.03	33	48
55-63-0001	6530686	1399824	4-66	2 287	15,025	3.95	593	68	11,820	3.87	457	7-69		40	676	.03	29	42
55-63-0001	6630504	1347940	4-66	2 302	16,830	3.93	661	71	11,785	3.98	469	8-69		40	1,026	.01	38	58
55-63-0001	6818449	1239242	1-67	1 305	18,860	3.31	624	66	12,420	3.75	466	5-69		36	753	-.04	21	37
55-63-0001	6820180	1230310	12-66	1 305	16,230	3.64	590	66	12,450	3.74	466	5-69		35	938	-.05	26	46
55-67-0005	5796568	1359757	4-63	5 291	19,942	3.91	780	33	15,972	3.79	605	10-69	H	36	576	.10	35	44
55-67-0005	6768560	1261857	10-66	1 305	19,890	4.01	798	17	17,580	3.63	638	5-69		36	669	.10	39	50
55-67-0005	7058155	1261857	8-67	1 300	19,390	3.76	729	44	17,600	3.68	647	9-69		36	631	.07	33	44
55-67-0010	7595985	1199324	11-62	5 294	20,104	3.64	731	12	15,548	3.85	598	11-69		44	1,056	-.03	33	55
55-67-0014	5907807	1369029	5-63	4 305	19,160	4.26	816	21	15,958	3.90	622	6-69		43	564	.09	33	42
55-67-0014	6682639	1468937	9-66	2 305	19,690	4.25	836	28	17,065	3.69	629	11-69		35	705	.07	36	48
55-67-0015	6816176	1261857	3-67	1 303	17,260	3.74	645	22	13,700	3.69	505	10-69		36	734	.07	37	50
55-67-0016	5558682	1199324	10-61	6 305	24,995	3.42	854	28	17,341	3.30	625	11-69		44	1,478	-.05	45	76
55-67-0016	5688263	1192713	11-62	4 301	21,555	3.55	766	22	18,065	3.67	663	4-69		44	826	-.03	26	43
55-67-0016	5902861	1237057	11-63	4 305	19,930	3.88	774	23	16,640	3.59	597	6-69		44	719	.01	28	42
55-67-0016	6484056	1347940	8-65	3 302	21,416	3.32	710	25	18,256	3.48	636	1-70		42	931	-.04	28	47
55-67-0016	6484061	1273756	8-65	3 305	22,710	3.51	798	26	18,843	3.47	654	1-70		42	824	.03	34	50
55-67-0018	6566367	1458744	6-66	2 295	18,020	3.25	585	40	14,910	3.50	522	10-69		40	850	-.05	24	42
55-67-0018	6709263	1417208	12-66	2 290	23,215	2.71	628	26	16,825	3.38	569	12-69		40	1,086	-.11	22	46
55-67-0018</																		

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUE0).

..COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	..MILK (L8)	..PRODUCTION. FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N O E X FAT (%)	..... OOL- LARS
55-67-0054	6933631	1261857	9-67	1 305	22,230	2.78	619	6 18,320	3.35	613	3-70	36	794	.00	28 \$ 44
55-67-0068	6121412	1254887	2-64	3 305	22,837	3.68	840	51 15,947	3.80	606	10-69	42	926	-.01	32 51
55-67-0068	6351762	1399628	8-65	3 305	21,180	3.58	759	37 16,026	3.82	612	10-69	33	852	-.05	23 41
55-67-0084	6054930	1189870	4-63	4 296	18,720	3.71	694	19 15,050	3.51	528	12-69	44	684	.04	30 43
55-70-0006	6099309	1179372	10-63	5 298	17,834	3.29	587	20 13,850	3.39	470	11-69	44	718	-.02	23 38
55-74-0009	6446497	1440801	4-65	2 294	23,860	3.31	790	22 18,310	3.35	614	9-69	25	758	-.02	24 40
55-74-0009	6841641	1261857	1-67	2 284	23,265	3.25	756	22 21,020	3.31	696	1-70	40	741	.04	33 47
55-75-0014	5770192	1199324	7-62	5 300	18,262	3.32	607	46 14,174	3.55	503	4-69	44	978	-.05	28 49
55-75-0014	6266359	1330987	10-64	4 292	16,880	3.80	641	55 14,940	3.57	533	10-69	44	558	.07	30 39
55-75-0014	6508696	1406271	4-65	3 293	18,173	3.57	649	29 14,960	3.52	526	9-69	42	798	.04	34 49
55-75-0014	6508712	1355784	8-65	2 305	21,660	3.41	738	57 14,850	3.60	535	11-68	40	1,184	-.09	29 55
55-75-0014	6541733	1355784	7-65	3 299	18,713	2.85	533	28 13,863	3.57	495	6-69	42	1,028	-.17	12 37
55-75-0014	6805861	1469869	8-66	2 305	21,820	3.32	724	37 14,185	3.58	508	10-69	25	969	-.05	28 48
55-75-0014	7032337	1494749	12-67	1 305	21,480	3.61	776	20 16,120	3.37	544	3-70	22	662	.03	28 40
55-75-0027	7125887	1261857	9-67	1 305	19,980	3.26	651	22 17,110	3.31	566	12-69	36	708	.05	33 46
55-75-0027	7125888	1261857	12-67	1 291	19,160	3.19	611	22 17,040	3.25	554	1-70	36	651	.05	31 43
55-75-0030	6621525	1329588	8-66	2 302	22,325	3.33	743	33 15,350	3.61	554	8-69	40	965	-.07	25 46
55-75-0030	6621527	1329588	8-66	2 305	19,280	4.00	772	37 15,660	3.63	568	9-69	40	627	.03	27 39
55-75-0037	5728313	1366658	8-62	3 305	19,640	3.44	675	13 14,740	3.62	534	4-69	31	743	-.04	21 37
55-75-0040	6476740	1330987	11-65	1 305	22,700	3.16	718	11 18,310	3.18	582	2-69	36	704	.02	29 42
55-75-0040	6686701	1330987	10-65	2 305	22,220	3.01	669	15 17,550	3.25	570	2-69	40	834	-.01	28 45
55-75-0053	7189440	1261857	10-67	1 295	16,200	4.02	652	33 13,130	3.88	509	9-69	36	693	.08	37 49
55-75-0072	5226019	1228022	6-60	5 304	19,246	3.43	660	6 14,186	3.51	498	7-69	44	1,211	-.07	33 59
55-78-0021	6393518	1430386	11-65	3 294	21,023	3.91	821	5 16,133	3.75	605	2-70	33	780	.07	38 52
55-78-0023	6033714	1199324	1-64	3 300	17,920	3.59	643	18 14,166	3.67	520	10-69	42	899	-.02	29 47
55-78-0023	6227914	1417208	11-64	3 303	17,790	3.66	651	12 14,966	3.65	547	12-69	42	731	.01	28 42
55-78-0023	6368612	1417208	8-65	2 292	16,010	3.72	595	11 12,765	3.75	479	7-69	40	726	.01	27 41
55-78-0023	7017105	1417208	1-67	1 296	17,160	3.63	623	15 12,550	3.66	459	7-69	36	768	.01	29 44
55-79-0005	6338676	1222994	5-65	2 305	21,580	3.74	807	25 15,050	4.01	604	9-69	40	975	-.02	32 52
55-79-0013	6526808	1444809	1-66	2 305	21,510	3.71	798	7 15,870	3.50	556	5-69	29	597	.04	27 38
55-79-0017	5672606	1010936	12-60	7 299	18,223	3.52	641	20 14,607	3.58	523	7-69	44	651	.01	25 38
55-79-0017	5896315	1244009	5-63	5 302	19,164	3.20	614	29 14,944	3.53	528	12-69	44	965	-.09	21 42
55-79-0017	6350893	1425626	1-65	3 305	19,783	3.46	685	24 16,360	3.50	572	9-69	37	629	.02	25 37
55-79-0020	6815121	1261857	1-67	1 305	15,830	3.90	617	14 13,230	3.73	493	12-69	36	659	.08	35 46
55-79-0030	5482101	1354403	9-61	4 304	18,703	3.27	612	9 13,683	3.61	494	11-69	35	849	-.05	23 41
55-79-0055	6910586	1261857	6-67	1 305	15,240	3.54	539	5 11,490	3.54	407	7-69	36	731	.06	35 48
55-79-0075	6444203	1249430	6-65	2 301	20,150	3.21	646	14 12,785	3.68	470	9-69	40	841	-.05	23 41
55-80-0001	6589082	1390175	10-64	4 305	24,303	3.40	827	17 16,085	3.49	561	2-70	30	1,282	-.03	42 68
55-80-0001	6601511	1406271	8-66	2 299	20,825	3.23	673	20 16,235	3.46	561	12-69	40	920	-.01	32 50
55-83-0017	6448986	1428204	6-64	4 301	21,080	3.12	657	25 15,403	3.51	541	9-69	33	1,045	-.09	24 47
55-83-0017	6448987	1428204	2-65	3 305	19,377	3.33	645	22 14,973	3.45	517	7-69	31	816	-.04	24 41
55-83-0017	6622083	1490584	9-66	1 305	20,710	3.84	795	15 15,560	3.42	532	4-69	22	665	.03	29 41
55-83-0017	6789803	1490584	1-67	1 305	22,250	3.26	726	34 14,890	3.47	516	8-69	22	860	.04	25 43
55-85-0006	5019998	1162188	4-59	3 305	22,443	3.24	727	6 13,653	3.56	486	10-69	42	1,276	-.09	32 60
55-91-0005	5051551	1192713	12-59	6 305	20,078	3.31	664	39 17,325	3.28	569	3-69	44	738	-.01	25 40
55-91-0005	5151289	1192713	8-60	6 305	21,400	3.30	707	47 18,192	3.17	577	1-70	44	808	.01	30 46
55-91-0005	5281735	1192713	3-61	7 305	22,044	3.36	740	43 18,073	3.17	573	4-70	44	905	.01	34 52
55-91-0005	5713591	1134841	12-62	5 305	21,956	3.58	786	37 18,808	3.16	594	12-69	44	508	.09	31 39
55-91-0005	5920777	1192713	10-63	4 305	24,785	2.99	741	55 18,428	3.11	573	11-69	44	1,184	-.06	33 58
55-91-0005	6151373	1244009	8-64	3 305	24,280	2.82	685	52 19,050	3.12	595	12-69	42	1,083	-.12	21 46
55-91-0005	6419154	1452345	7-65	2 301	21,100	2.64	556	74 17,390	3.06	533	8-69	36	888	-.10	17 37
55-91-0005	6419158	1452607	7-65	2 305	21,490	2.82	605	71 17,635	3.13	552	7-69	36	860	-.07	20 39
55-91-0005	6480721	1303502	10-65	2 305	22,995	3.19	733	58 17,800	3.12	556	10-69	40	679	-.01	23 37
55-91-0005	6675074	1261857	7-66	1 305	19,540	3.30	645	39 17,840	3.10	553	4-69	36	626	.07	33 44
55-91-0005	6675076	1261857	7-66	1 305	18,990	3.50	665	69 17,360	3.04	528	6-69	36	617	.10	37 47
55-91-0005	6675078	1261857	8-66	1 305	20,240	3.32	672	39 17,840	3.10	553	4-69	36	678	.07	35 47
55-91-0005	6867682	1261857	6-67	1 305	19,180	3.59	689	57 17,640	3.08	543	5-69	36	613	.10	37 47
55-91-0010	5432452	1137421	9-61	4 305	19,993	3.94	787	50 17,098	3.59	613	2-70	42	516	.09	32 40
55-91-0010	5432454	1137421	11-61	6 298	19,112	3.97	758	42 16,045	3.59	576	11-69 H	43	542	.10	34 42
55-91-0010	5837075	1137421	6-63	2 305	21,175	3.83	811	50 17,060	3.49	596	2-69	38	577	.08	32 42
55-91-0010	5837082	1385036	6-63	5 299	24,408	2.74	668	54 17,312	3.60	623	1-70	44	1,187	-.22	10 39
55-91-0010	6568931	1441026	5-66	2 305	18,760	3.35	629	41 15,750	3.66	577	7-69	36	868	-.08	19 38
55-91-0017	6133438	1271075	9-63	3 304	22,103	3.29	727	39 16,847	3.44	579	9-68	42	1,066	-.04	33 55
55-91-0017	6356720	1222994	2-65	3 303	20,970	3.29	690	35 16,977	3.49	592	8-69	42	785	-.04	23 39
55-91-0017	6436373	1239886	11-65	2 305	23,475	3.09	726	25 16,725	3.43	573	7-69	40	859	-.03	26 44
55-91-0017	6706924	1240125	2-66	2 305	23,505	2.99	703	31 17,065	3.46	591	9-69	40	983	-.09	22 44
55-91-0017	6822669	1261857	7-66	2 299	19,065	3.44	656	33 16,675	3.47	579	6-69	40	712	.05	33 46
55-91-0017	6847645	1268297	10-66	1 305	22,070	3.50	772	26 17,340	3.56	618	11-68	35	563	.05	28 38
55-91-0020	6443929	1222994	7-65	3 305	17,150	3.83	656	30 13,827	3.52	487	9-69	42	672	.04	30 42
55-91-0020	6443934	1452607	8-65	3 305	18,040	3.46	625	30 13,990	3.47	486	12-69	38	890	-.01	30 48
55-91-0020	6691843	1261857	9-66	2 305	17,330	3.46	600	28 13,240	3.60	476	8-69	40	850	.04	37 53
55-91-0036	6753621	1261857	7-66	2 305	18,260	3.26	595	13 14,505	3.49	506	11-69	40	829	.03	34 50
55-91-0036	6753622	1261857	9-66	2 305	16,750	3.76	630	13 14,085	3.46	487	10-69	40	714	.09	39 51
55-91-0047	6623165	1261857													

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COM'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C MO-YR D	.....C O W MILK (L8)	I N O E X..... FAT FAT (%) (L8)	..... OOL- LARS
56-04-0014	5741296	1378614	1-63	5 305 19,832 3.33 660	13 14,326 3.50 502	3-70	36	1,165	-.09 29 \$ 54
56-04-0020	5861296	1192713	12-62	4 303 19,665 3.47 683	15 15,323 3.57 547	7-69	44	897	-.02 29 47
56-04-0020	6732749	1261857	10-66	1 305 19,470 3.52 686	16 13,980 3.52 492	10-69	36	880	.06 41 57
56-04-0023	5389070	910991	8-60	3 305 20,100 3.61 725	21 14,840 3.63 539	10-69	42	695	.00 25 39
56-06-0004	6334473	1406271	12-64	3 296 18,236 3.64 663	38 14,796 3.65 540	7-69	42	822	.03 34 50
56-15-0006	6707043	1261857	10-66	1 305 17,740 3.70 656	48 15,790 3.65 576	2-69	36	629	.07 33 44
56-15-0006	6793300	1261857	12-66	1 305 18,940 4.19 794	54 15,530 3.67 570	1-69	36	736	.11 43 55
56-15-0006	6905848	1261857	6-67	1 305 17,160 3.65 627	54 13,080 3.72 486	7-69	36	768	.06 37 51
56-15-0006	6982775	1261857	9-67	1 290 18,100 3.62 656	40 14,780 3.71 549	1-70	36	724	.06 35 48
56-16-0001	6090781	1199324	4-64	3 305 20,033 3.50 701	30 15,803 3.46 546	11-69	42	972	-.01 33 53
56-16-0001	6275890	1199324	10-64	4 297 18,072 3.38 610	30 15,660 3.45 541	12-69	44	772	-.03 24 40
56-16-0001	6592405	1259069	6-65	2 305 23,980 3.44 824	41 16,185 3.48 563	2-69	40	971	-.04 29 49
56-16-0001	6880273	1398216	10-66	1 305 23,320 3.57 833	44 15,680 3.56 558	9-69	35	924	-.04 28 47
56-16-0001	6931872	1406271	1-66	1 305 17,370 3.54 615	55 15,460 3.45 534	11-68	36	612	.04 28 39
56-18-0006	5935170	1271075	9-63	4 301 18,408 4.05 746	22 15,383 3.72 572	9-69	43	805	.05 37 52
56-18-0006	6848545	1406271	10-66	1 305 18,590 3.14 584	10 15,230 3.66 558	3-69	36	719	-.01 24 39
56-18-0006	7252726	1406271	2-67	1 305 19,800 3.14 622	20 16,670 3.61 601	8-69	36	712	-.01 24 38
56-19-0006	6196671	1406271	10-64	2 303 20,775 3.36 699	27 16,270 3.56 580	12-68	40	912	.00 33 51
56-19-0010	6305544	1406271	1-65	1 305 15,930 3.78 602	13 14,360 3.41 489	2-70	36	579	.06 30 40
56-21-0012	6787214	1406271	12-66	2 305 21,270 3.52 749	5 15,575 3.56 555	1-70	40	1,026	.02 40 60
56-23-0002	6522793	1261857	3-66	2 305 18,960 3.63 689	88 15,670 3.60 564	11-69	40	793	.06 38 52
56-23-0002	6870495	1261857	1-67	1 305 19,270 3.60 693	79 16,510 3.56 587	11-69	36	695	.07 35 47
56-23-0002	7085617	1261857	7-66	1 303 20,090 3.49 702	71 16,960 3.58 607	12-69	36	726	.05 34 47
56-23-0010	5794840	1138441	9-62	5 294 19,600 3.30 647	13 14,330 3.51 503	9-69	44	1,030	-.11 20 43
56-23-0010	6781857	1473442	10-66	2 305 20,175 3.39 684	17 13,685 3.66 501	2-70	38	1,098	-.07 29 53
56-23-0010	6781858	1261857	11-66	2 271 16,955 3.91 663	23 13,740 3.69 507	10-69	40	766	.09 41 54
56-23-0010	6781859	1406271	12-66	2 288 17,135 3.34 573	14 14,170 3.66 518	3-70	40	735	.00 26 41
56-23-0010	6894553	1406271	4-67	1 292 19,790 3.40 673	21 12,350 3.64 450	7-69	36	1,001	.01 37 57
56-24-0010	6912014	1458744	9-66	2 232 15,375 3.69 568	24 12,430 3.48 432	11-69	40	808	.01 31 47
56-27-0012	4991522	1010936	11-59	8 305 17,235 3.67 632	45 13,860 3.57 495	11-69	44	610	.03 27 38
56-27-0012	5246106	1010936	9-60	6 303 18,403 3.40 626	49 14,242 3.57 509	8-69	44	716	-.01 24 39
56-27-0012	5246107	1010936	10-60	6 298 18,855 3.33 628	57 14,013 3.63 509	10-68	44	801	-.03 25 42
56-27-0012	5908622	1244009	9-63	4 302 17,645 3.38 596	68 14,018 3.66 513	10-68	44	862	-.07 20 39
56-27-0012	6705391	1261857	8-66	1 305 17,790 3.66 652	60 14,760 3.65 539	5-69	36	702	.07 35 47
56-27-0012	6705392	1261857	9-66	1 305 16,270 3.50 569	60 14,760 3.65 539	5-69	36	589	.05 29 39
56-27-0012	6705393	1261857	12-66	1 305 21,670 3.32 719	66 15,170 3.67 557	11-69	36	964	.03 39 57
56-27-0012	6705394	1261857	1-67	1 305 18,300 3.72 680	69 15,200 3.68 559	10-69	36	711	.07 36 48
56-27-0012	6868164	1261857	7-67	1 305 17,370 3.55 616	69 15,200 3.68 559	10-69	36	641	.05 31 42
56-30-0003	5816864	1271810	8-62	3 305 18,950 3.58 679	25 14,806 3.60 533	11-68	42	797	-.04 23 40
56-30-0003	6109253	1406271	6-64	2 305 19,275 3.42 660	9 16,235 3.54 574	4-69	40	763	.01 29 44
56-30-0003	6198572	1406271	9-64	2 305 20,480 3.33 683	23 15,055 3.53 532	3-69	40	993	-.01 35 55
56-30-0003	6430311	1406271	7-65	2 305 17,570 3.51 616	25 15,895 3.53 561	9-69	40	621	.02 26 38
56-30-0003	6488848	1406271	8-65	2 305 20,170 3.52 709	19 16,410 3.50 574	6-69	40	838	.03 34 50
56-30-0038	6139387	1406271	9-64	3 305 18,737 3.38 633	26 15,803 3.47 548	3-69	42	776	.01 30 45
56-30-0038	6139388	1406271	9-64	3 301 18,583 3.35 623	29 15,183 3.46 526	10-69	42	822	.01 31 47
56-30-0038	6328532	1411856	7-65	2 305 20,780 3.27 680	20 14,705 3.50 514	1-69	29	820	-.05 22 40
56-30-0038	6613107	1406271	11-65	3 305 21,273 3.35 712	25 15,516 3.47 538	3-70	42	1,097	.00 40 62
56-34-0020	5569799	1162188	11-60	8 287 17,751 3.59 637	25 13,359 3.61 482	10-69	44	818	-.04 24 41
56-34-0020	6196672	1406271	11-64	3 300 19,800 4.04 799	35 14,973 3.72 557	8-69	42	984	.08 48 65
56-34-0020	6760841	1383311	1-67	2 305 21,815 3.56 777	34 15,000 3.79 568	11-69	40	932	-.04 27 47
56-34-0028	5687525	1189870	12-62	4 305 19,650 3.97 780	24 17,498 3.65 638	12-69	44	526	.06 28 37
56-34-0028	5836322	1303198	6-63	4 305 20,358 3.61 735	24 16,010 3.70 593	10-69	44	732	-.01 25 40
56-34-0028	6058579	1216957	4-64	3 305 23,513 3.81 895	34 17,087 3.63 620	2-69	42	786	.06 37 51
56-34-0028	6347357	1444487	5-65	2 305 23,220 3.26 757	35 16,965 3.60 610	11-68	25	830	-.07 20 38
56-34-0028	6408350	1406271	10-65	2 305 21,610 3.59 776	37 17,425 3.58 624	1-69	40	891	.03 36 53
56-34-0028	6408351	1406271	10-65	3 305 23,963 3.31 793	33 17,133 3.61 619	3-70	42	1,239	-.02 41 66
56-34-0028	6452222	1406271	1-66	2 305 20,685 3.73 771	23 16,345 3.70 605	6-69	40	896	.04 38 55
56-34-0028	6615755	1406271	8-66	2 305 20,875 3.63 758	29 17,645 3.68 650	2-70	40	797	.02 32 47
56-36-0011	6761230	1355784	3-66	1 305 22,500 4.17 939	21 13,870 3.75 520	9-69	35	1,163	-.01 41 64
56-36-0011	6767741	1406271	1-67	2 305 18,355 3.52 647	14 15,765 3.70 583	2-70	40	713	.01 27 41
56-36-0035	6741799	1268294	1-67	2 299 19,990 3.96 792	28 16,340 3.37 550	3-70	40	650	.04 30 42
56-38-0003	6817491	1406271	10-65	2 305 16,045 3.64 584	29 11,990 3.68 441	7-69	40	823	.03 34 50
56-38-0008	6341967	1406271	10-64	4 294 17,652 3.84 677	32 14,867 3.90 580	1-70	44	762	.03 32 46
56-38-0008	6363977	1406271	2-65	3 301 17,456 3.79 662	36 14,493 3.91 566	1-70	42	764	.02 31 46
56-38-0008	6396691	1271810	8-65	2 305 20,055 3.77 756	39 13,530 3.83 518	8-69	40	979	-.04 30 50
56-38-0008	6596167	1467853	7-66	1 305 18,350 3.84 704	44 13,700 3.98 545	11-68	27	706	-.02 22 37
56-38-0008	6640897	1467853	7-66	1 305 19,130 3.97 760	44 13,700 3.98 545	11-68	27	772	-.01 26 42
56-38-0008	6650865	1406271	10-64	3 305 15,933 3.87 616	54 13,686 3.90 534	11-69	42	672	.03 29 42
56-38-0008	6668658	1406271	2-65	3 289 16,610 3.82 634	54 13,690 3.91 535	11-69	42	750	.03 31 45
56-38-0008	7079924	1458744	3-68	1 305 16,900 3.86 652	8 13,790 3.84 529	4-70	36	789	.00 28 44
56-38-0008	7111140	1290182	9-66	2 305 20,915 3.85 805	56 14,480 3.92 568	11-69	40	654	.02 26 39
56-38-0036	6992380	1330987	10-67	1 305 19,240 3.42 658	17 14,700 3.46 509	3-70	36	689	.03 29 42
56-38-0072	6192307	1237057	10-64	2 305 19,270 3.77 726	45 13,220 3.90 516	12-68	40	904	-.04 27 46
56-38-0072	6192308	1355784	8-64	3 297 17,123 3.91 670	34 12,786 3.89 497	1-69	42	956	-.04 28 48
56-38-0072	6644716	1331709	1-66	2 305 17,530 3.67 644	33 12,045 3.85 464	11-69	40	808	-.04 23 40
56-39-0020	6331408	1271810	4-65	3 305 20,756 3.61 749	33 13,940 3.83 534	10-69	42	1,094	-.06 31 54
56-41-0012	7018346	1347940	8-67	1 305 19,850 3.37 668	8 17,790 3.36 597	1-70	36	752	-.01 26 41
56-41-0012	7018347	1347940	9-67	1 305 19,790 3.13 619	7 17,900 3.38 605	12-69	36	740	-.03 22 37
56-41-0025	5894259	1355784	8-63	4 305 20,327 3.24 658	57 14,422 3.55 512	6-69	43	1,195	-.11 26 53
56-41-0025	6096534	1406271	7-64	2 305 16,615 4.39 730	75 14,535 3.58 521	8-69	40	648	.12 41 51
56-41-0025	6257492	1406271	11-64	3 305 17,583 3.84 675	51 14,396 3.61 520	9-69	42	789	.06 37 51
56-41-0025	6285793	1406271	2-65	3 305 18,473 3.72 687	71 14,273 3.60 514	7-69	42	904	.04 39 56
56-41-0028	6289116	1406271	12-64	2 305 16,950 3.75 636	39 14,785 3.48 514	6-69	40	660	.06 32 44
56-41-0028	6342944	1406271	1-65	2 305 17,650 3.76 663	39 14,300 3.49 499	9-68	40	775	.05 36 50
56-41-0028	6342945	1406271	1-65	1 305 19,760 3.89 769	51 15,070 3.53 532	4-69	36	817	.06 39 54

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCT ION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	OO L- LARS		
56-41-0028	6482232	1406271	3-65	3 296	19,056	3.62	689	30	13,370	3.58	479	5-69	42	1,064	.03	43	\$ 63
56-41-0028	6482236	1406271	5-65	3 305	15,623	3.41	533	29	13,240	3.57	473	7-69	42	683	.01	26	39
56-41-0028	6498215	1406271	2-66	2 305	16,330	3.82	624	43	14,815	3.54	525	7-69	40	594	.06	30	40
56-41-0028	6578511	1406271	10-65	2 305	17,835	3.76	671	37	15,495	3.54	548	9-69	40	684	.06	33	45
56-41-0028	6761227	1406271	7-66	2 305	21,815	3.96	863	49	16,265	3.49	567	12-69	40	1,018	.10	51	69
56-41-0028	6802880	1406271	6-66	1 305	20,930	3.60	753	48	15,640	3.56	557	12-68	36	866	.03	36	52
56-41-0028	6802881	1406271	7-66	1 305	19,840	3.69	732	45	15,230	3.57	543	11-68	36	812	.05	36	51
56-41-0028	6997364	1406271	12-66	1 305	21,470	3.36	722	50	16,890	3.42	577	12-69	36	822	.02	33	49
56-41-0042	5480486	1113350	11-61	4 305	19,680	3.90	768	6	14,202	3.53	502	3-70	44	684	.06	33	45
56-43-0025	5653934	1386191	9-62	5 296	19,102	3.52	672	61	13,642	3.50	477	8-69	41	998	.05	43	62
56-43-0025	5894258	1241487	10-63	4 299	20,155	3.70	746	76	13,918	3.52	490	1-69	43	695	.00	25	39
56-43-0025	5894277	1271810	10-63	4 304	18,692	3.54	661	62	13,682	3.56	487	7-69	44	918	-.04	27	46
56-43-0025	6513983	1446184	1-66	2 305	19,130	3.57	683	53	13,290	3.56	473	3-69	29	792	.00	28	44
56-43-0026	6102662	1408654	2-64	4 297	18,582	3.47	645	89	13,060	3.48	454	8-69	36	821	-.02	27	44
56-43-0026	6230423	1408654	1-65	4 299	19,507	3.63	708	98	13,902	3.58	498	12-69	36	844	.00	30	47
56-43-0026	6230427	1355784	12-64	2 300	19,075	3.44	656	135	13,580	3.52	478	1-70	40	1,037	-.08	26	48
56-43-0026	6230436	1406271	1-65	4 297	16,575	3.55	589	110	13,572	3.54	480	12-69	44	773	.03	32	47
56-43-0026	6230437	1406271	1-65	3 297	16,883	3.44	580	66	12,976	3.53	458	3-69	42	855	.01	33	50
56-43-0026	6398084	1406271	4-65	3 288	15,726	3.64	573	78	12,763	3.56	455	8-69	42	744	.04	32	46
56-43-0026	6400389	1271810	7-65	3 305	17,843	3.51	627	97	12,760	3.52	449	9-69	42	881	-.04	26	44
56-43-0026	6578691	1460523	5-66	2 305	18,380	3.47	638	135	12,925	3.49	451	1-70	29	787	-.02	26	42
56-43-0026	6590420	1406271	7-66	1 305	16,600	3.43	569	82	13,240	3.47	459	2-69	36	704	.02	29	42
56-43-0026	6590421	1406271	7-66	2 297	17,090	3.51	600	94	12,405	3.50	434	7-69	40	891	.03	36	53
56-43-0026	6603043	1406271	8-66	2 305	16,205	3.54	573	105	12,605	3.51	443	9-69	40	783	.03	32	47
56-43-0026	6616427	1406271	8-66	2 305	16,260	3.46	562	107	13,445	3.54	476	10-69	40	712	.02	28	42
56-43-0026	6628493	1406271	10-66	1 305	17,150	3.50	600	68	13,030	3.50	456	3-69	36	759	.03	32	46
56-43-0026	6632006	1406271	10-66	1 298	16,630	3.60	598	73	12,810	3.60	461	6-69	36	735	.03	31	45
56-43-0026	6847532	1460523	4-67	1 305	19,200	3.62	695	65	13,130	3.56	467	5-69	23	693	.00	25	39
56-43-0026	6906102	1406271	7-67	1 305	17,040	3.60	614	148	13,850	3.61	500	11-69	36	696	.03	30	43
56-46-0022	6214540	1406271	9-64	3 295	18,513	3.87	716	27	16,456	3.38	556	1-70	42	682	.09	38	49
56-46-0022	6215965	1406271	1-65	3 288	16,656	3.41	568	37	14,903	3.42	510	8-69	42	629	.02	26	38
56-46-0022	6285790	1271810	12-64	3 305	19,020	3.21	610	26	14,136	3.44	486	8-69	42	874	-.08	20	39
56-46-0022	6285794	1406271	3-65	3 302	16,933	3.51	594	34	15,106	3.40	513	10-69	42	640	.04	29	41
56-46-0022	6677651	1406271	10-66	2 301	21,595	3.53	762	31	16,730	3.43	574	1-70	40	953	.04	40	58
56-46-0022	6677655	1355784	10-66	2 305	20,270	3.28	664	39	16,400	3.49	573	1-70	40	900	-.10	18	38
56-46-0031	6036671	1406271	12-63	3 305	18,900	3.74	706	28	13,750	3.52	484	8-69	42	1,007	.06	45	63
57-02-0002	6642771	1460865	8-66	1 305	21,530	3.71	798	16	15,120	3.45	521	3-69	19	620	.03	27	38
57-02-0002	6642772	1460865	8-66	2 305	20,140	3.52	708	20	14,510	3.60	523	8-69	25	720	-.01	24	39
57-02-0002	6740867	1406271	10-66	1 305	22,810	3.32	758	17	15,780	3.58	565	2-69	36	796	.00	36	56
57-04-0503	4908379	1192713	8-59	8 305	19,106	3.76	719	22	15,620	3.72	581	10-69	44	811	.01	31	47
57-04-0503	5807732	1192713	4-63	5 301	17,472	4.04	706	33	14,700	3.73	548	10-69	44	707	.05	33	46
57-04-0503	6543143	1261857	5-66	2 305	20,490	4.02	824	26	16,200	3.70	600	1-70	40	900	.11	49	64
57-04-0503	6602630	1261857	7-66	2 305	20,055	3.82	767	22	16,830	3.72	626	1-70	40	798	.08	40	54
57-04-0503	6602631	1261857	8-66	1 305	19,530	3.85	751	38	16,340	3.75	613	5-69	36	726	.07	37	50
57-04-0503	6620806	1261857	8-66	1 305	20,150	3.99	803	38	16,340	3.75	613	5-69	36	772	.09	41	54
57-04-0503	6694408	1261857	12-66	1 287	19,200	3.69	708	43	15,830	3.75	594	10-69	36	735	.06	35	48
57-04-0503	6852593	1261857	6-67	1 305	17,150	3.84	659	38	15,480	3.73	577	12-69	36	606	.08	33	43
57-04-0503	6852594	1261857	7-67	1 288	18,170	4.08	742	45	15,670	3.75	587	11-69	36	669	.09	38	49
57-04-0503	6935002	1261857	11-67	1 305	17,550	3.87	679	38	15,480	3.73	577	12-69	36	636	.08	34	45
57-06-0011	6908109	1261857	1-67	1 305	17,170	3.81	655	43	13,660	3.64	497	7-69	36	730	.08	38	50
57-06-0011	6908110	1261857	7-67	1 305	16,410	3.56	585	43	13,660	3.64	497	7-69	36	673	.06	33	45
57-06-0015	6960868	1239242	9-67	1 305	22,970	3.19	733	8	14,720	3.73	549	2-70	36	905	-.06	23	43
57-10-0015	6521944	1222994	12-65	2 294	17,840	3.91	697	23	15,065	3.41	513	7-69	40	594	.06	30	40
57-10-0015	6615307	1261857	5-66	2 301	19,500	3.46	674	26	15,305	3.33	509	10-69	40	881	.07	42	58
57-10-0015	6734174	1469898	11-66	1 301	22,830	3.38	772	42	15,870	3.44	546	11-69	28	809	-.04	24	41
57-10-0015	6888362	1261857	5-67	1 299	18,310	3.44	629	37	15,400	3.39	522	9-69	36	698	.06	34	46
57-15-0001	6712425	1417208	9-66	1 305	24,180	2.69	650	36	13,710	3.47	476	6-69	36	1,213	-.09	30	56
57-16-0008	6305369	1222994	10-64	3 304	21,360	3.25	695	40	15,777	3.48	549	10-69	42	954	-.04	28	48
57-16-0008	6621194	1261857	9-66	2 304	20,985	3.43	720	36	16,250	3.46	563	8-69	40	946	.05	41	59
57-16-0008	6621199	1222994	9-66	2 305	21,295	3.63	773	28	17,765	3.44	612	12-69	40	698	.02	28	41
57-16-0008	6766211	1261857	11-66	2 304	21,195	3.43	726	28	17,250	3.46	597	11-69	40	876	.05	39	55
57-16-0008	6969181	1261857	10-67	1 305	24,110	3.26	786	28	19,080	3.35	639	12-69	36	883	.04	38	54
57-21-0506	5989512	1271810	7-63	3 224	18,696	3.57	668	36	14,430	3.76	543	3-69	8 42	806	-.05	21	38
57-25-0014	6415174	1406271	10-65	2 305	20,305	2.67	543	46	17,340	3.07	532	2-69	40	767	-.05	21	37
57-25-0014	6494905	1406271	1-66	2 305	20,650	3.01	622	46	17,345	3.05	529	3-69	40	801	.00	29	45
57-25-0014	6750570	1440965	11-66	2 291	23,065	3.55	818	47	17,130	3.14	538	12-69	30	719	.10	41	53
57-26-0003	5484086	1373793	8-61	6 285	19,965	3.57	713	46	13,678	3.61	494	1-70	8 36	1,080	.01	40	61
57-26-0003	5484091	1373793	8-61	5 305	17,562	3.87	679	45	14,054	3.68	517	2-69	36	672	.05	32	44
57-26-0003	5745638	1373793	9-62	5 305	18,584	3.73	693	74	13,378	3.62	484	8-69	36	915	.03	38	55
57-26-0003	6290751	1373793	1-65	3 279	17,416	3.88	675	64	13,630	3.60	490	12-69	8 33	656			

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C REPT MO-YR D (%)	.....C O W MILK (L8)	1 N D E X..... FAT (L8) FAT (L8) DOL- LARS
57-53-0513	6478633	1406271	5-65	2 305 19,460 3.41 664	20 15,740 3.91 615	10-68	40	827 -.03 26 \$ 43
57-53-0513	6821516	1406271	10-66	2 294 22,790 3.38 771	17 16,185 3.97 642	11-69	40	1,124 -.04 34 57
57-53-0513	6839477	1406271	11-66	2 305 19,255 4.18 804	14 17,030 3.93 669	3-70	40	688 .07 35 47
57-53-0513	7100050	1406271	9-66	1 305 18,440 3.80 701	19 15,180 3.78 574	9-69	36	711 .04 31 44
57-53-0518	6651552	1261857	9-65	2 256 17,775 3.48 619	16 15,685 3.59 563	10-68	8 40	672 .05 31 43
57-53-0520	5844739	1330684	6-63	3 305 20,150 3.89 784	11 17,003 3.72 633	2-69	31	578 .04 27 37
57-53-0520	6160030	1313339	2-64	2 305 21,125 3.85 813	8 16,520 3.74 618	11-68	29	725 .01 28 42
57-53-0520	6976721	1406271	1-66	1 305 19,620 3.75 735	17 17,090 3.56 608	7-69	36	671 .05 32 44
57-53-0525	7141464	1406271	11-66	1 305 21,390 3.73 798	11 15,080 3.90 588	9-69	36	937 .03 38 56
57-53-0534	561	1407362	9-66	1 305 19,800 3.46 686	5 13,860 3.53 489	9-69	27	716 .02 29 43
57-55-0001	5630653	1212173	7-62	6 305 18,473 3.76 694	14 14,385 3.81 548	12-69	44	670 .02 27 40
57-55-0001	6758206	1308091	8-66	1 305 24,970 3.88 970	21 15,420 3.91 603	11-69	35	924 -.02 31 50
57-57-0018	6410934	010287171	9-65	2 305 18,630 3.51 653	16 13,520 3.52 476	7-69	35	844 -.05 23 41
57-57-0018	6681488	1261857	10-66	2 305 16,510 3.40 562	30 14,895 3.61 537	12-69	40	615 .04 28 39
57-57-0018	6681489	1261857	10-66	2 302 17,045 4.29 732	32 14,945 3.60 538	1-70	40	665 .14 45 55
57-57-0018	6925922	1261857	9-67	1 305 16,500 3.50 578	26 13,940 3.48 485	12-69	36	661 .06 33 45
57-57-0018	6925923	1261857	9-67	1 288 15,480 3.55 550	26 13,940 3.48 485	12-69	36	585 .07 31 41
57-59-0001	4710640	1279422	8-58	4 292 19,843 3.77 749	46 15,303 3.69 565	8-69	35	756 .03 31 45
57-59-0001	5501442	1192713	8-61	5 305 18,568 3.55 660	88 13,758 3.60 495	12-68	44	957 -.01 33 52
57-59-0001	6120644	1437899	4-64	3 297 18,860 3.48 656	85 13,876 3.58 497	1-69	32	778 -.03 24 40
57-59-0004	5374245	1192713	5-61	6 303 16,400 3.46 567	19 12,640 3.57 451	3-69	44	808 -.02 26 43
57-59-0014	6579696	1261857	7-66	2 282 16,030 3.42 548	68 14,295 3.50 501	10-69	40	621 .05 30 41
57-59-0014	7079397	1261857	1-67	2 305 16,975 3.71 629	56 14,935 3.47 518	12-69	40	659 .08 36 47
57-59-0014	7079398	1406271	10-66	2 279 16,920 3.87 655	57 14,885 3.47 517	12-69	40	647 .07 34 45
57-59-0019	6724570	1261857	11-66	1 305 18,250 3.43 626	12 14,940 3.31 495	5-69	36	724 .07 36 49
57-59-0019	6751286	1261857	10-66	2 305 17,345 3.45 598	8 15,095 3.22 486	2-70	40	682 .08 36 48
57-59-0019	6945548	1261857	8-67	1 305 17,500 3.50 613	16 15,650 3.00 470	11-69	36	621 .10 37 47
57-59-0019	6945549	1261857	10-67	1 305 20,510 3.22 660	19 14,990 3.05 457	10-69	36	889 .06 41 57
57-59-0030	5548301	1192713	7-61	6 263 17,418 3.33 580	52 14,070 3.57 502	9-69	8 44	773 -.04 22 38
57-59-0030	5572841	1162188	4-60	4 302 20,990 3.14 660	41 14,615 3.53 516	4-70	44	1,058 -.10 23 47
57-59-0030	5807611	1192713	1-63	5 304 18,402 3.38 622	47 14,748 3.53 520	1-70	44	821 -.03 25 42
57-59-0030	6652580	1261857	9-66	1 305 16,890 3.58 605	49 14,660 3.45 506	6-69	36	642 .07 34 45
57-59-0030	6652581	1261857	10-66	1 305 16,470 3.64 599	49 14,660 3.45 506	6-69	36	610 .08 33 43
57-73-0002	5117440	1329679	10-59	7 303 20,489 3.66 689	22 15,507 3.46 536	6-69	35	828 -.04 24 41
57-73-0019	5943919	1355784	11-63	4 301 16,940 3.21 543	13 13,030 3.51 457	12-68	43	929 -.10 18 39
57-74-0501	5922671	1271810	12-63	3 305 18,733 3.27 613	56 14,493 3.42 496	12-68	42	804 -.07 19 37
57-74-0501	6205732	1445899	9-64	3 305 17,816 3.24 578	32 14,330 3.41 489	7-69	33	772 -.05 20 37
57-74-0501	6205733	1445899	9-64	3 305 19,356 3.55 688	31 14,866 3.47 516	5-69	33	913 -.01 32 50
57-74-0501	6205734	1445899	11-64	3 305 17,786 3.69 657	31 15,096 3.40 513	9-69	33	676 .02 28 41
57-74-0501	6653727	1445899	8-66	2 305 22,345 3.21 718	41 15,675 3.48 546	2-70	30	1,120 -.07 30 54
57-74-0501	6686376	1445899	4-66	2 305 18,585 3.69 685	30 13,880 3.55 493	8-69	30	868 .00 32 49
57-83-0506	6597166	1377954	6-66	1 305 18,430 3.85 709	43 15,400 3.69 568	1-69	36	608 .03 27 38
57-83-0506	6597167	1261857	7-66	2 305 18,280 3.63 664	45 14,220 3.64 518	10-69	40	857 .06 40 55
57-83-0506	6687416	1377954	7-66	1 265 17,550 3.81 668	63 14,670 3.65 536	5-69	36	591 .03 26 37
57-83-0506	6809575	1261857	1-67	1 305 16,690 3.56 594	61 14,340 3.65 523	9-69	36	648 .06 32 43
57-88-0002	5438246	1361194	7-61	7 295 19,277 3.42 659	28 14,236 3.68 524	11-69	32	804 -.05 22 39
57-94-0003	6812054	1406271	11-66	1 305 19,290 2.65 512	6 13,920 3.41 474	9-69	36	859 -.05 24 42
58-01-0042	6160016	1199324	10-64	2 305 17,790 3.43 611	30 14,150 3.61 511	11-68	40	852 -.03 26 44
58-04-0034	6160053	1085978	12-62	5 296 16,054 3.43 551	16 13,798 3.35 462	11-68	44	711 -.02 23 38
58-05-0004	5617180	1192713	1-61	4 284 19,498 3.05 595	157 12,610 3.52 444	3-70	A 44	1,178 -.08 30 55
58-05-0004	5617184	1192713	1-61	4 305 15,230 3.62 551	189 12,553 3.54 444	1-70	44	657 .00 24 37
58-05-0004	5617189	1192713	9-61	3 305 17,483 3.38 591	215 12,537 3.55 445	9-69	42	905 -.03 28 47
58-05-0004	5617200	1368443	12-61	4 282 16,708 3.85 644	184 12,870 3.55 457	4-69	34	546 .05 31 42
58-05-0004	5870274	1271075	7-63	1 305 15,090 3.73 563	259 11,010 3.56 392	8-69	35	749 .01 28 43
58-05-0004	5938244	1271075	10-63	1 305 15,950 3.21 512	96 11,350 3.59 407	2-69	35	790 -.04 23 40
58-05-0004	5938253	1271075	11-63	2 305 17,555 3.29 577	246 12,895 3.50 451	1-70	40	899 -.03 28 47
58-05-0004	6064466	1271075	3-64	1 305 15,700 3.49 548	208 10,680 3.60 385	5-69	35	817 -.01 28 44
58-08-0041	6379735	1406271	10-65	2 305 20,245 3.04 616	11 15,160 3.42 518	3-69	40	960 -.03 30 50
58-08-0041	6794366	1406271	1-67	2 294 21,185 2.79 591	9 15,270 3.30 504	11-69	40	1,045 -.06 29 51
58-09-0022	5139456	1316644	8-60	6 298 19,545 3.54 692	143 15,705 3.48 547	10-69	34	725 .01 27 41
58-09-0022	5451976	1354731	9-61	5 303 20,236 3.21 649	108 15,880 3.51 557	8-69	37	919 -.11 17 38
58-09-0022	5689535	1354731	10-62	5 301 20,114 3.43 690	130 15,274 3.52 537	7-69	37	980 -.06 26 47
58-09-0022	5689537	1354731	11-62	5 298 20,964 3.40 712	105 15,756 3.49 550	7-69	37	1,041 -.07 27 49
58-09-0022	5834909	1354731	1-63	5 305 21,796 3.39 739	106 16,246 3.48 566	11-69	37	1,098 -.07 29 53
58-09-0022	6656692	1271557	8-66	2 305 23,895 3.27 782	128 16,195 3.54 573	9-69	H 40	960 -.13 16 38
58-09-0022	6656694	1239242	11-65	3 288 21,267 3.48 741	173 16,580 3.47 576	11-69	42	828 -.01 28 45
58-09-0024	6041630	1146113	2-64	3 305 17,567 3.57 627	8 12,200 3.47 423	4-69	42	546 .05 27 37
61-01-0043	6132112	1308101	8-64	2 298 18,590 2.75 512	8 15,135 3.33 504	5-69	40	919 -.10 18 39
61-01-0043	6132113	1308101	8-64	3 305 16,756 3.34 559	8 13,816 3.47 480	4-70	42	874 -.04 25 43
61-02-0032	4410603	1090340	12-56	7 288 17,973 3.76 675	19 16,009 3.60 577	7-69	8 44	617 .03 26 38
61-02-0032	6184435	1244845	6-64	4 240 23,348 3.16 738	25 16,673 3.71 619	12-69	8 44	1,073 -.12 20 44
61-02-0032	6907463	1464838	7-67	1 305 22,190 3.81 846	22 16,860 3.75 633	11-69	23	621 .03 27 39
61-02-4048	7059889	1315578	12-66	1 305 17,240 3.47 599	18 12,710 3.66 465	1-69	36	551 .07 30 39
61-03-0001	6337454	1308101	4-65	2 305 17,825 3.54 631	8 15,465 3.38 523	3-69	40	811 -.01 28 44
61-03-0001	6337455	1308101	7-65	3 304 17,976 3.43 616	7 14,920 3.53 526	2-70	42	900 -.04 27 46
61-03-0001	6650676	1308101	8-66	2 305 19,890 3.25 646	7 15,525 3.39 527	1-70	40	1,015 -.04 30 51
61-03-0001	6734107	1308101	10-66	2 302 18,145 3.32 602	7 15,400 3.35 516	1-70	40	850 -.03 26 44
61-03-0001	6740987	1308101	7-66	2 292 22,095 3.09 682	5 16,270 3.35 545	12-69	40	1,171 -.07 32 57
61-03-0001	6740988	1308101	9-66	2 296 17,760 3.24 576	6 16,050 3.34 536	1-70	40	751 -.03 22 38
61-03-0001	6795376	1308101	2-67	1 305 17,740 3.30 586	9 14,490 3.44 498	5-69	36	838 -.04 25 42
61-03-0001	6795377	1308101	4-67	1 305 17,750 3.27 581	9 14,460 3.44 497	6-69	36	841 -.04 25 43
61-03-0001	6834660	1308101	6-67	1 305 22,180 3.38 750	8 15,590 3.56 555	10-69	36	1,095 -.04 33 56
61-03-0001	6870536	1308101	7-67	1 305 16,610 3.61 599	9 15,080 3.61 545	8-69	36	714 -.02 23 38
61-03-0001	6883799	1308101	8-67	1 305 19,480 3.69 719	5 14,830 3.59 532	2-70	36	945 -.01 32 51
61-03-0008	6389369	1390206	7-65	2 305 22,260 3.43 763	19 17,460 3.52 615	11-68	29	781 -.02 25 41

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..OOL- LARS
61-03-0008	6508335	1315578	2-66	1 287	19,860	2.91	577	9 14,650	3.30	484	6-69	36	616	.03	27	\$ 38
61-03-0008	6913435	1315578	7-67	1 305	18,310	3.46	633	9 14,770	3.43	506	10-69	36	492	.08	30	38
61-06-0025	5981899	1308101	1-64	4 303	19,125	3.26	623	10 14,167	3.49	494	6-69	44	1,140	-.06	32	56
61-06-0025	6456927	1417208	1-66	2 305	19,360	3.52	682	18 14,710	3.62	533	7-69	40	888	-.01	31	49
61-06-0025	6946948	1308101	9-67	1 301	18,100	3.67	664	29 15,050	3.75	564	11-69	36	827	-.03	26	43
61-06-0025	6946949	1308101	10-67	1 305	17,160	4.09	701	17 14,630	3.77	552	10-69	36	785	.01	30	45
61-06-0025	6946950	1308101	10-67	1 305	18,080	3.73	675	15 15,200	3.71	564	3-69	36	816	-.02	27	44
61-06-0032	6520078	1308101	9-65	1 305	22,900	3.60	824	9 17,240	3.74	645	1-69	36	1,038	-.03	33	54
61-06-0037	6867144	1308101	8-67	1 305	15,680	3.43	538	14 14,000	3.40	476	7-69	36	717	-.02	23	38
61-07-0009	6143344	1308101	10-64	3 305	18,686	3.80	711	8 14,370	3.66	526	1-69	42	1,039	.00	38	59
61-07-0009	6411353	1308101	10-65	2 305	18,285	3.27	598	11 14,705	3.69	542	4-69	40	927	-.07	23	43
61-08-0007	5800392	1237057	1-63	4 300	17,798	3.34	595	20 13,428	3.50	470	10-69	44	813	-.06	20	38
61-08-0010	6399760	1406271	11-65	2 305	22,075	3.92	865	10 16,285	3.76	612	6-69	40	1,043	.06	47	66
61-08-0050	5686943	1267271	11-62	5 303	17,608	3.78	666	12 14,840	3.45	512	4-69	44	650	.01	25	38
61-08-0050	7496520	1315578	3-67	1 305	18,410	3.79	698	44 13,630	3.41	465	11-69	36	576	.11	37	46
61-09-0006	6317082	1308101	9-64	3 305	16,053	3.31	531	18 13,976	3.51	490	2-69	42	777	-.05	21	38
61-09-0006	6599914	1450692	11-65	2 260	16,140	3.87	624	18 12,405	3.56	442	8-69	8 37	677	.03	29	42
61-09-0016	6377471	1450692	7-65	2 305	19,445	3.65	710	16 16,270	3.44	559	6-69	37	659	.02	27	40
61-09-0034	6553360	1308101	11-64	3 305	17,293	3.23	559	11 14,573	3.37	491	2-69	42	857	-.05	24	42
61-09-0034	6804799	1308101	10-66	2 305	17,855	3.41	608	11 14,670	3.48	510	11-69	40	887	-.03	27	45
61-09-0034	6804800	1308101	12-66	2 305	17,700	3.45	610	11 14,985	3.46	518	1-70	40	842	-.02	27	44
61-09-0034	6840799	1308101	9-66	2 305	18,190	3.33	606	11 14,985	3.46	518	1-70	40	892	-.04	26	45
61-10-0002	6526086	1308101	12-65	2 305	19,360	3.53	683	14 16,645	3.35	558	10-69	40	859	.00	31	48
61-10-0002	6667276	1308101	9-66	2 291	21,780	3.40	740	7 17,545	3.52	618	2-70	40	1,023	-.04	31	52
61-10-0002	6667277	1308101	10-66	1 305	19,130	3.32	636	10 16,280	3.31	539	8-69	36	822	-.02	26	43
61-10-0002	6667278	1308101	10-66	1 288	22,430	2.98	669	11 16,250	3.34	543	9-69	36	1,069	-.07	28	51
61-10-0015	6265812	1308101	11-64	1 305	17,130	3.42	586	9 13,930	3.46	482	9-69	36	830	-.03	26	43
61-10-0035	6824065	1308101	12-66	2 290	15,760	3.39	535	10 13,990	3.40	475	9-69	40	736	-.02	23	38
61-12-0006	5675832	1368793	9-62	4 302	20,410	3.28	670	20 14,520	3.71	538	1-69	37	1,040	-.07	27	49
61-12-0007	5939573	1368793	8-63	3 305	18,793	3.74	702	44 15,063	3.62	546	1-69	36	725	.02	29	43
61-12-0007	6170666	1235977	5-64	3 299	19,430	3.58	695	43 15,573	3.58	557	9-68	34	653	.02	26	39
61-12-0007	6533758	1368793	3-66	2 303	20,945	3.07	642	35 14,770	3.60	532	12-69	34	952	-.08	22	43
61-14-0015	5796342	1404272	6-62	3 305	17,636	3.35	591	66 13,246	3.39	449	11-68	32	820	-.03	25	42
61-14-0015	5860677	1199324	3-63	5 301	15,274	3.61	552	60 13,334	3.46	462	2-70	44	690	.00	25	39
61-14-0015	6223033	1404272	1-65	3 280	20,236	3.01	609	47 14,460	3.40	491	3-69	32	1,026	-.09	23	46
61-14-0015	6320637	1404272	2-65	3 305	20,450	3.21	657	78 13,370	3.38	452	9-69	32	1,189	-.06	34	59
61-14-0015	6320638	1404272	3-65	3 305	18,503	3.45	639	64 13,860	3.42	474	1-70	32	863	-.01	29	46
61-14-0015	6320686	1404272	4-65	3 303	18,090	3.25	588	65 13,230	3.39	449	6-69	32	884	-.05	25	44
61-14-0015	6400326	1404272	8-65	3 305	17,900	3.50	627	56 14,533	3.47	504	1-70	32	698	-.01	24	38
61-14-0015	6400328	1404272	8-65	2 294	19,035	3.25	619	65 14,460	3.44	497	12-68	29	801	-.05	22	39
61-14-0015	6537349	1404272	1-66	2 305	18,920	3.13	593	65 13,465	3.39	456	10-69	29	895	-.06	23	42
61-14-0015	6537357	1404272	5-66	1 305	20,000	3.31	662	68 13,160	3.34	439	8-69	23	873	-.03	27	45
61-14-0015	6703198	1404272	6-66	2 305	19,120	3.10	592	56 13,905	3.40	473	12-69	29	871	-.07	21	40
61-14-0015	6703209	1404272	9-66	1 305	16,880	4.28	722	53 14,000	3.39	475	11-69	23	522	.08	30	38
61-14-0015	6703228	1404272	12-66	1 305	26,330	2.91	766	36 14,550	3.35	488	4-69	23	1,332	-.10	33	62
61-14-0015	6703232	1404272	12-66	1 305	22,730	3.05	694	36 14,550	3.35	488	4-69	23	1,007	-.07	26	48
61-14-0015	6888269	1404272	7-67	1 305	19,230	3.49	671	62 13,520	3.38	457	10-69	23	774	-.01	27	42
61-14-0015	6888266	1404272	12-66	1 305	18,350	3.35	615	56 13,100	3.33	436	7-69	23	728	-.02	23	38
61-14-0019	6223036	1329588	7-64	2 305	18,835	3.51	662	6 14,940	3.25	486	6-69	40	648	.00	24	37
61-14-0027	5449372	1215958	10-61	4 305	22,600	3.51	794	8 15,265	3.49	532	9-69	42	1,202	-.01	42	66
61-15-0038	6393450	1329588	2-64	3 305	18,350	3.51	645	8 13,753	3.53	486	12-69	42	760	-.02	24	40
61-15-0042	6572241	1308101	9-64	1 286	20,970	3.40	714	7 15,310	3.55	544	12-69	36	1,024	-.04	31	52
61-15-0042	6572243	1308101	9-64	1 305	18,080	3.41	616	17 14,400	3.50	504	10-69	36	869	-.03	27	45
61-15-0042	6846803	1308101	8-65	1 305	18,940	3.38	641	16 14,910	3.50	522	8-69	36	899	-.04	27	46
61-15-0042	7034125	1182696	8-66	1 305	19,960	3.40	678	18 15,410	3.49	538	8-69	36	650	.00	24	37
61-15-0042	7034127	1308101	8-66	1 305	22,110	3.45	763	16 14,910	3.50	522	8-69	36	1,135	-.03	36	59
61-16-0022	6588681	1442219	11-65	2 305	17,780	3.43	610	7 12,300	3.26	401	6-69	25	673	.00	25	38
61-18-0029	6288355	1308101	1-65	3 305	17,643	3.54	625	22 14,070	3.71	522	9-69	42	950	-.04	28	48
61-18-0039	6511181	1308101	11-65	2 293	16,105	3.37	542	37 14,065	3.42	481	11-69	40	765	-.03	23	39
61-18-0039	6511182	1308101	12-65	2 305	19,170	3.21	615	36 14,135	3.47	490	2-70	40	1,069	-.06	30	53
61-18-0039	6745219	1330987	10-66	1 305	15,210	4.22	642	50 13,420	3.43	460	7-69	36	474	.10	32	39
61-18-0039	6745237	1308101	12-66	1 305	16,110	3.20	516	51 13,700	3.42	469	8-69	36	770	-.04	22	38
61-19-0001	6654737	1308101	9-66	1 305	18,530	3.36	623	19 15,450	3.64	562	6-69	36	832	-.05	23	41
61-19-0015	6316359	1308101	2-65	2 304	15,280	3.52	538	19 13,730	3.61	496	10-68	40	711	-.02	22	37
61-19-0015	6316361	1308101	2-65	2 305	16,625	3.80	632	15 13,135	3.52	463	1-70	40	902	.01	34	52
61-19-0015	6363162	1308101	11-64	3 305	15,693	3.94	619	15 12,796	3.52	451	7-69	42	857	.03	35	51
61-19-0015	6578393	1308101	10-65	2 305	16,645	3.47	577	13 13,565	3.55	481	1-70	40	865	-.03	27	45
61-19-0015	6578394	1308101	10-65	2 303	15,470	3.72	576	17 12,610	3.51	443	6-69	40	833	.00	30	47
61-19-0015	7054114	1308101	10-66	1 305	16,590	3.52	584	24 12,180	3.42	416	9-69	36	907	-.02	30	48
61-20-0002	6290767	1182696	10-64	4 305	20,680	3.48	719	12 15,558	3.39	528	2-70	44	919	.02	36	54
61-20-0018	6191639	1308101	9-64	3 302	16,906	3.44	582	5 13,916	3.50	487	12-69	42	881	-.03	27	45
61-20-0028	6211714	1308101	8-6													

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS		
61-26-0022	4413279	1218293	9-56	6 305	17,653	3.46	611	19	12,827	3.65	468	10-68	44	746	-.04	21	\$ 37
61-26-0022	5330881	1312981	10-60	6 305	20,495	3.48	713	13	13,907	3.59	499	12-69	44	872	-.02	28	46
61-26-0022	6355294	1308101	10-64	3 305	16,726	3.48	582	33	14,280	3.48	497	11-69	42	822	-.02	26	43
61-26-0022	6434768	1308101	12-64	3 305	16,600	3.39	562	31	14,483	3.47	502	12-69	42	787	-.04	23	40
61-26-0022	6523002	1276344	11-65	2 305	20,440	3.12	637	29	14,705	3.45	508	1-70	40	855	-.03	26	44
61-26-0036	6734281	1450692	9-66	2 305	15,695	3.34	524	10	11,245	3.57	401	9-69	37	741	-.03	23	38
61-27-0021	6847731	1308101	6-67	1 111	23,140	3.48	805	21	17,170	3.56	612	6-69	8 36	1,061	-.04	33	55
61-28-0003	5401661	1368793	6-61	5 305	20,934	3.43	718	51	14,604	3.66	534	12-69	39	1,141	-.04	35	59
61-28-0003	6218123	1182696	12-64	4 303	17,973	3.27	587	38	14,025	3.54	497	3-70	44	755	-.03	23	39
61-28-0003	6218128	1308101	10-64	4 305	18,077	3.32	601	38	14,025	3.53	495	3-70	44	1,026	-.05	29	51
61-28-0041	4551784	1207938	12-57	7 302	20,697	3.43	709	30	12,443	3.59	447	10-68	37	1,188	-.04	37	62
61-28-0041	5373219	1305495	4-61	6 305	17,312	3.62	626	17	12,907	3.48	449	9-69	36	778	-.02	31	46
61-28-0041	5867305	1393658	2-63	4 305	17,885	3.25	582	16	12,640	3.51	444	9-69	35	807	-.06	20	38
61-29-0039	6290078	1308101	12-64	3 293	17,333	3.31	574	5	13,296	3.43	456	3-69	42	994	-.05	29	50
61-30-0003	6298491	1308101	10-64	3 298	15,426	3.88	598	57	13,450	3.61	485	10-69	42	759	-.01	29	44
61-30-0008	5415290	1218293	7-61	5 300	21,918	3.44	754	20	15,672	3.39	532	9-69	44	968	-.02	32	52
61-30-0008	6693131	1308101	8-66	2 305	18,855	3.56	671	39	15,915	3.55	565	11-69	40	875	-.02	29	47
61-30-0008	6693132	1308101	9-66	1 305	19,620	3.66	718	54	16,280	3.43	558	10-69	36	858	-.00	31	48
61-30-0008	6964503	1308101	9-66	2 299	18,320	3.36	615	29	15,605	3.59	560	1-70	40	849	-.05	23	41
61-30-0008	7053902	1308101	7-67	1 305	17,610	3.28	578	36	15,480	3.42	530	7-69	36	762	-.04	22	38
61-30-0014	6076506	1237057	4-63	4 290	17,630	3.43	604	16	13,540	3.53	478	9-69	44	780	-.06	20	37
61-30-0014	7071914	1329588	6-66	2 305	21,025	3.16	665	23	14,740	3.55	523	9-69	40	888	-.08	20	40
61-30-0017	6226436	1329588	11-64	3 299	19,403	3.39	658	47	13,773	3.51	483	7-69	42	879	-.04	26	44
61-30-0017	6376852	1430145	9-65	2 305	21,700	4.00	869	46	12,925	3.57	462	10-68	32	1,363	-.08	61	86
61-30-0017	6559184	1450329	2-66	2 305	19,270	3.73	719	34	14,000	3.43	480	7-69	25	668	-.04	30	42
61-30-0017	6681238	1237057	10-66	1 305	20,320	4.07	828	14	15,070	3.57	538	3-69	36	715	-.01	27	41
61-30-0017	6681550	1450228	9-66	1 305	19,340	3.47	672	42	14,490	3.42	495	11-68	33	1,084	-.03	35	57
61-30-0017	6681551	1450228	9-66	2 296	16,450	3.56	585	42	14,585	3.30	482	9-69	37	855	-.01	30	47
61-30-0017	6824939	1237057	3-66	2 305	22,335	2.56	571	32	13,875	3.32	460	9-69	40	1,155	-.17	16	43
61-30-0022	6082069	1352303	10-63	4 305	16,565	4.05	671	6	12,495	3.60	450	4-69	33	768	-.08	39	52
61-30-0026	6070193	1308101	1-64	4 289	18,962	3.31	628	7	16,332	3.32	543	10-69	44	879	-.03	27	45
61-30-0026	6198688	1308101	7-64	4 304	22,435	3.17	711	10	17,277	3.32	573	1-70	44	1,203	-.06	34	59
61-30-0029	6511180	1308101	10-65	1 302	22,080	3.70	817	14	17,900	3.63	650	10-68	36	933	-.01	32	51
61-30-0029	6606655	1315578	4-66	2 298	17,580	3.73	655	13	15,625	3.48	543	7-69	40	424	-.11	31	37
61-33-0012	6414869	1308101	5-65	3 279	17,266	3.51	606	6	13,586	3.57	485	1-70	42	956	-.03	30	50
61-34-0013	6241043	1416224	12-64	3 304	20,696	3.41	705	21	15,600	3.50	546	10-69	41	777	-.04	22	38
61-34-0013	6653789	1182696	8-66	2 262	17,570	4.17	733	19	15,035	3.51	527	3-70	40	550	-.10	34	42
61-34-0027	6530731	1308101	3-66	2 169	18,785	3.42	643	22	14,855	3.65	542	12-69	40	964	-.05	28	48
61-34-0042	6951832	1308101	6-67	1 293	15,610	3.31	517	11	12,160	3.54	431	7-69	36	836	-.04	24	42
61-34-0044	6726014	1308101	9-66	1 305	19,570	3.37	659	8	17,330	3.49	605	9-69	36	784	-.04	23	39
61-34-0044	6765393	1315578	12-66	1 305	21,190	3.48	738	8	16,680	3.51	586	10-69	36	579	-.08	32	42
61-34-0056	6485319	1308101	1-66	1 305	15,150	4.15	629	8	13,130	3.80	499	7-69	36	736	-.01	28	42
61-34-0056	6683007	1308101	8-66	1 287	16,960	3.92	664	6	13,600	3.65	497	6-69	36	840	-.00	31	48
61-38-0001	6420609	1308101	1-64	3 305	17,706	3.72	659	30	14,350	3.52	505	10-68	42	928	-.00	34	52
61-38-0001	6685129	1308101	8-65	2 305	18,550	3.29	610	17	14,595	3.53	515	4-69	40	964	-.05	27	47
61-38-0001	6685130	1308101	9-65	3 305	19,743	3.58	707	29	14,686	3.58	526	12-69	42	1,127	-.02	37	60
61-38-0001	6685133	1308101	11-65	3 297	17,033	3.56	607	30	14,800	3.65	540	11-69	42	804	-.03	24	41
61-38-0001	6685138	1315578	7-66	2 305	17,035	3.99	679	29	14,550	3.69	537	8-69	40	467	-.12	34	40
61-38-0001	6762679	1308101	9-65	2 305	18,690	3.55	663	20	15,275	3.65	558	1-69	40	916	-.03	29	48
61-38-0001	6762682	1308101	10-65	2 305	18,035	3.32	598	17	14,820	3.61	535	2-69	40	892	-.06	24	43
61-38-0001	6947593	1308101	9-66	1 305	19,780	3.50	693	25	16,070	3.69	593	11-68	36	884	-.04	26	45
61-38-0001	6947594	1308101	10-66	1 302	20,190	3.47	700	10	14,580	3.61	527	5-69	36	1,014	-.04	31	52
61-38-0001	6947596	1308101	4-67	1 305	17,610	3.32	584	22	13,950	3.76	525	8-69	36	864	-.06	23	42
61-38-0001	6947599	1308101	9-67	1 305	16,990	3.74	636	26	14,840	3.69	548	11-69	36	759	-.02	25	40
61-38-0001	6947601	1315578	11-66	1 305	19,840	3.28	650	11	14,050	3.65	513	5-69	36	654	-.05	31	43
61-38-0002	6239476	1308101	8-64	4 304	17,900	3.30	591	9	12,652	3.43	434	8-69	44	1,157	-.04	35	59
61-38-0011	6438886	1308101	5-65	3 303	18,200	3.13	570	14	12,893	3.51	452	7-69	42	1,135	-.08	29	54
61-40-0017	5949433	1276654	10-63	4 271	20,890	3.45	720	14	14,903	3.65	544	7-69	44	889	-.04	26	45
61-41-0039	6176678	1427346	1-64	4 305	18,068	3.51	634	31	14,043	3.61	507	10-69	35	796	-.00	28	44
61-41-0039	6795489	1417208	2-67	1 305	16,880	3.51	593	6	13,980	3.58	500	7-69	36	651	-.00	24	37
61-48-0002	6222028	1308101	12-64	3 305	18,780	3.23	606	25	14,640	3.35	490	5-69	42	1,021	-.05	29	51
61-52-0505	6459765	1308101	10-65	2 305	15,940	3.80	606	17	12,850	3.41	438	12-69	40	859	-.02	34	51
61-52-0505	6498847	1308101	12-65	2 305	15,170	3.56	540	11	12,865	3.46	445	6-69	40	779	-.01	26	42
61-54-0008	5461766	1136723	11-61	3 305	17,620	3.44	606	6	12,413	3.36	417	9-68	42	621	-.02	25	37
61-54-0008	6311849	1308101	2-65	3 305	17,286	3.01	520	5	13,563	3.31	449	4-70	42	961	-.07	24	45
61-59-0001	6276235	1308101	1-65	3 305	16,376	3.49	571	9	13,560	3.53	479	10-69	42	857	-.03	27	45
61-59-0001	6872916	1308101	8-67	1 305	15,130	3.44	520	6	13,080	3.43	449	9-69	36	738	-.02	23	38
61-59-0001	6872917	1308101	8-67	1 305	17,680	3.12	551	6	13,080	3.43	449	9-69	36	928	-.06	25	45
61-59-0011	5675929	1228022	11-62	2 305	16,635	3.08	513	9	11,650	3.49	407	4-69	40	1,074	-.10	23	47
61-60-0046	6259454	1308101	9-64	4 301	22,037	3.37	742	15	1								

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS		
61-99-0001	6430086	1182696	7-65	3 305	20,637	3.13	645	29	16,827	3.33	560	9-69	42	744	-.03	23	\$ 38
61-99-0001	6690457	1315578	9-66	2 305	18,355	3.50	642	24	16,200	3.27	529	7-69	40	450	.10	31	37
61-99-0001	6843938	1261857	9-66	2 305	22,305	3.25	724	31	16,945	3.32	562	12-69	40	1,016	.04	42	61
63-01-0032	4937747	1019538	12-58	5 250	16,188	3.56	576	10	12,824	3.65	468	2-69	44	664	.04	30	42
63-03-0007	6491709	1294703	11-65	2 305	16,360	3.51	575	14	12,495	3.63	454	12-69	40	775	-.05	21	38
63-03-0014	6522580	1338592	3-66	2 305	19,785	3.52	696	23	14,585	3.63	530	1-70	40	807	-.07	19	37
63-03-0022	5442858	1189870	11-61	5 305	21,942	3.59	788	51	16,072	3.47	557	7-69	44	998	.02	39	58
63-03-0022	5752227	1267271	8-62	4 305	21,568	3.47	748	39	16,825	3.51	590	10-69	44	907	-.05	26	45
63-03-0022	5869984	1338592	5-63	3 305	24,667	3.44	848	59	16,703	3.55	593	9-69	42	1,221	-.07	33	59
63-03-0022	5934245	1267271	8-63	5 303	22,988	3.36	772	61	16,388	3.53	579	11-69	44	1,164	-.07	31	56
63-03-0022	5934258	1287490	11-63	4 302	22,438	3.51	787	52	17,305	3.56	616	12-69	41	684	.00	25	38
63-03-0022	6427286	1273756	8-65	3 305	21,960	3.26	702	55	17,190	3.58	616	12-69	42	863	-.03	27	45
63-03-0022	6427287	1273756	8-65	3 301	21,023	3.54	744	47	16,536	3.57	590	8-69	42	869	.02	34	51
63-03-0022	6427289	1273756	8-65	2 305	22,320	3.63	811	42	16,965	3.60	611	3-69	40	909	.03	37	54
63-03-0022	6427290	1273756	8-65	2 305	24,955	3.37	840	56	17,390	3.59	625	1-69	40	1,138	-.01	39	62
63-03-0022	6427292	1273756	9-65	2 305	19,515	3.89	760	38	17,540	3.61	633	4-69	40	572	.06	30	40
63-03-0022	6427296	1273756	10-65	3 302	20,063	3.66	734	54	17,396	3.59	624	11-69	42	670	.03	29	41
63-03-0022	6427297	1273756	10-65	3 305	22,673	3.74	849	40	17,700	3.58	633	1-70	42	938	.05	42	59
63-03-0022	6427299	1273756	10-65	3 298	20,470	3.68	754	59	16,880	3.57	602	10-69	42	770	.04	34	48
63-03-0022	6461432	1273756	7-65	1 305	25,370	3.65	926	15	17,540	3.65	640	3-69	36	966	.03	39	57
63-03-0022	6461433	1273756	8-65	2 305	23,385	3.46	810	36	16,740	3.59	601	3-69	40	1,038	.00	38	58
63-03-0022	6510137	1273756	11-65	2 305	21,960	3.34	733	9	17,130	3.58	613	5-69	40	857	-.01	29	46
63-03-0022	6665159	1348259	8-66	2 303	19,460	3.78	736	47	16,615	3.56	591	8-69	40	657	.04	29	41
63-03-1029	5104046	1292483	12-59	3 305	20,763	3.69	766	27	12,487	3.65	456	8-69	33	1,136	.01	43	65
63-05-0001	7096913	1490202	12-66	1 305	19,560	3.42	668	18	13,660	3.42	467	9-69	22	708	.00	25	39
63-05-0010	6703034	1406271	9-66	1 305	15,460	3.84	593	63	10,750	3.71	399	8-69	36	786	.05	35	49
63-05-0010	6703038	1406271	10-66	1 305	15,850	3.56	564	63	10,750	3.71	399	8-69	36	815	.02	33	49
63-05-0010	6703039	1406271	10-66	1 292	15,400	3.66	563	63	10,750	3.71	399	8-69	36	781	.03	33	48
63-05-0035	7134180	1261857	10-66	1 305	15,290	3.68	562	5	13,510	3.61	488	4-69	36	600	.07	32	42
63-06-1002	6493378	1237057	11-65	2 305	21,550	3.73	803	22	15,730	3.81	599	7-69	40	906	-.04	27	46
63-06-1130	6732032	1386406	1-67	1 305	17,030	3.78	644	15	12,980	3.74	485	8-69	36	623	.02	25	37
63-07-0006	6235825	1308101	1-65	3 295	15,636	3.52	551	15	12,600	3.54	446	2-70	42	871	-.02	28	46
63-07-0006	6492194	1406271	12-65	1 305	16,310	3.69	602	28	12,510	3.55	444	10-68	36	731	.05	33	46
63-07-0009	5272350	1363187	8-60	8 297	19,490	3.48	678	23	14,954	3.66	547	1-70	34	743	-.04	21	37
63-07-0009	5569079	1383116	11-61	6 296	19,735	3.70	731	32	14,607	3.77	551	10-69	32	824	.00	30	46
63-08-0020	6844350	1261857	1-67	1 305	17,720	3.98	706	8	15,710	3.58	562	5-69	36	633	.10	37	47
63-08-0020	6928767	1261857	7-67	1 272	18,640	3.53	658	10	14,980	3.56	533	7-69	36	751	.06	36	49
63-08-0060	6587713	1237057	3-66	1 305	20,870	3.52	734	7	14,340	3.44	493	8-69	36	805	-.04	23	40
63-09-0007	5513791	1352290	9-61	6 300	19,133	3.45	661	54	14,523	3.52	511	11-69	37	892	-.04	26	45
63-09-0007	6246558	1303900	8-64	3 305	19,950	3.20	639	42	15,333	3.47	532	8-69	40	920	-.10	18	39
63-09-0007	6364223	1273756	2-65	3 300	17,540	3.35	587	45	14,486	3.53	512	10-69	42	681	.00	24	38
63-12-0017	6854915	1399824	11-66	1 305	18,740	3.09	580	65	14,580	3.50	510	8-69	36	710	-.02	22	37
63-12-0054	6759631	1458744	10-66	2 301	19,200	3.27	627	11	16,015	3.25	521	2-70	40	869	-.02	29	47
63-13-0010	5392854	1244845	7-61	3 305	20,857	3.64	759	20	15,673	3.63	569	2-69	42	836	-.03	26	43
63-13-0010	6321038	1434445	1-65	2 305	20,835	3.62	754	23	13,680	3.60	493	11-68	30	838	-.01	29	46
63-13-0010	6965883	1458744	9-67	1 305	15,980	3.82	610	22	13,980	3.76	526	10-69	36	708	.00	25	39
63-13-0010	6965884	1458744	9-67	1 305	24,930	3.15	785	24	15,220	3.70	563	12-69	36	1,291	-.07	36	63
63-13-0014	5575064	1199324	9-61	5 305	18,584	3.44	639	21	13,066	3.67	479	11-69	44	1,148	-.04	35	59
63-13-0016	6691934	1458744	10-66	2 287	16,485	3.88	639	30	14,610	3.70	540	2-70	40	722	.01	28	42
63-13-0019	6399751	1435174	8-65	3 302	20,560	3.68	756	27	15,116	3.76	569	11-69	33	797	-.01	28	44
63-13-0019	7167870	1347940	2-68	1 305	19,620	4.12	809	14	16,070	3.76	604	1-70	36	850	.04	36	52
63-15-0005	6696792	1406271	12-66	1 305	17,630	3.55	617	21	13,890	3.58	497	9-69	36	717	.03	30	44
63-17-0008	6207654	1308101	10-64	3 305	15,093	3.65	551	21	12,543	3.69	463	8-69	42	814	-.02	26	43
63-22-0006	6126498	1271810	9-64	3 305	20,740	3.33	691	11	16,243	3.51	570	2-69	42	854	-.07	20	39
63-25-0001	5930165	1199324	8-63	4 298	15,512	3.41	529	19	12,842	3.31	425	11-69	44	769	-.01	27	42
63-25-0005	5447725	1244845	9-61	6 304	19,398	3.57	692	19	13,648	3.43	468	10-69	44	950	-.02	32	51
63-25-0005	6125847	1244845	9-64	3 303	19,550	3.41	666	25	14,217	3.38	481	8-69	42	837	-.04	25	42
63-32-0002	4977175	1140737	8-59	8 301	18,333	3.14	576	20	13,973	3.51	490	8-69	38	915	-.10	18	39
63-32-0013	5334506	1085614	10-60	5 301	20,828	3.61	752	29	16,568	3.49	579	11-69	43	604	.06	30	41
63-34-0004	6542123	1303900	10-65	2 305	20,370	2.82	575	11	13,565	3.56	483	1-70	38	1,079	-.16	15	40
63-34-0004	6775583	1303900	12-66	1 305	19,780	3.87	766	15	13,520	3.45	467	2-69	33	876	-.02	29	47
63-37-0011	5590564	1199324	2-62	4 305	19,380	3.36	651	13	13,575	3.49	474	4-69	44	1,166	-.04	36	60
63-37-0011	5801210	1352991	12-62	5 299	20,540	3.18	653	17	14,784	3.60	532	10-69	40	1,333	-.12	29	59
63-37-0011	6339163	1303900	5-65	3 305	16,923	4.30	727	20	14,150	3.58	506	8-69	40	685	.05	32	44
63-37-0011	6754717	1303900	7-66	2 305	22,100	2.97	657	25	14,515	3.73	542	11-69	38	1,171	-.16	18	45
63-37-0033	6601079	1236789	7-66	2 305	19,630	3.68	723	13	13,660	3.47	474	10-69	40	982	.02	38	57
63-40-1101	6304728	1424686	2-65	2 305	20,270	3.55	719	9	15,550	3.59	559	3-69	32	689	-.01	24	38
63-43-1004	6027289	1430718	1-64	2 305	20,020	3.53	706	6	13,070	3.70	483	7-69	25	868	-.02	28	46
63-51-0002	5590175	1245535	2-62	5 303	18,138	3.80	690	13	13,446	3.64	490	6-69	43	605	.03	26	37
63-51-1304	6526951	1406271	6-65	3 299	16,193	3.49	565	5	13,730	3.60	494	4-7					

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..STRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (L8)	I N O E X..... FAT FAT (%) (L8)	DOL- LARS
64-08-0103	6661110	1406271	7-66	2 302 19,065 3.83 730	14 13,600 3.53 480	10-69	40	982 .06 45 \$ 63	
64-08-0103	6715926	1406271	6-66	1 305 15,660 3.75 588	11 13,880 3.43 476	5-69	36	591 .05 29 39	
64-08-0103	6920170	1406271	2-67	1 305 15,560 3.70 576	13 13,880 3.47 481	8-69	36	583 .05 28 38	
64-08-0103	7025272	1406271	6-67	1 305 15,680 3.72 583	13 13,880 3.47 481	8-69	36	592 .05 29 39	
64-08-0103	7267534	1406271	6-67	1 305 17,440 3.29 574	15 13,590 3.44 467	7-69	36	743 .01 29 43	
64-08-0103	7267535	1406271	6-67	1 305 15,620 3.52 550	11 14,110 3.37 475	11-69	36	573 .04 27 37	
64-08-0106	6386779	1261857	3-65	3 287 16,790 3.72 625	18 14,743 3.60 531	2-70	42	671 .07 35 46	
64-08-0106	6875332	1377954	8-67	1 305 18,860 3.71 700	33 13,680 3.61 494	7-69	36	755 .03 32 46	
64-08-0115	7017646	1406271	2-67	1 305 20,800 3.17 659	30 14,510 3.37 489	5-69	36	932 .00 34 52	
64-08-0115	7108468	1406271	7-67	1 305 15,810 3.50 554	50 12,550 3.46 434	8-69	36	691 .03 30 43	
64-08-0117	5422618	1334035	3-60	2 305 18,740 3.46 649	8 13,405 3.31 444	3-69	30	734 .04 32 46	
64-08-0117	6821524	1406271	11-66	2 296 19,535 3.47 677	10 14,705 3.35 493	10-69	40	929 .03 38 56	
64-08-0117	7108469	1406271	7-67	1 298 18,620 3.05 567	17 14,910 3.55 530	8-69	36	742 -.02 24 39	
64-08-0117	7108472	1406271	12-67	1 305 22,600 3.43 776	13 15,390 3.53 544	10-69	36	1,007 .02 39 59	
64-17-0104	6834580	1261857	4-66	2 291 15,845 3.80 602	6 10,485 3.72 390	11-69	40	951 .07 45 62	
64-25-0112	5700482	1333256	8-62	3 305 18,753 3.21 602	12 13,640 2.99 408	9-69	31	751 .01 28 43	
64-25-0112	6372290	1406271	2-64	4 305 17,945 2.94 528	7 14,257 3.13 446	8-69	44	866 -.02 28 46	
64-29-0123	6821513	1406271	9-66	1 305 15,830 3.39 537	43 12,520 3.43 430	6-69	36	695 .03 29 42	
64-29-0123	6821521	1406271	11-66	2 297 15,835 3.66 579	53 13,375 3.27 438	12-69	40	675 .06 33 45	
64-31-0108	5878361	1331709	9-63	4 303 19,608 3.09 606	13 13,895 3.54 492	2-70	43	964 -.11 19 41	
64-31-0108	6500402	1406271	11-65	2 305 15,270 3.65 558	10 13,080 3.35 438	8-69	40	645 .05 31 42	
64-53-0101	6898243	1406271	8-67	1 305 17,220 3.64 626	49 11,130 3.82 425	8-69	36	892 .03 36 53	
64-57-0103	5096703	1148993	1-60	4 305 18,235 3.57 651	25 14,723 3.65 538	9-69	42	654 .00 24 37	
64-58-0110	5455874	1344455	9-61	6 303 15,305 3.58 548	28 12,475 3.36 419	11-69	36	578 .04 26 37	
64-58-0110	6022251	1244009	8-63	5 305 17,316 3.04 526	29 12,510 3.49 437	10-69	44	1,009 -.11 20 43	
64-58-0127	6827096	1310177	1-67	1 305 21,780 5.15 1121	13 16,510 3.53 582	8-69	27	483 .23 51 55	
64-60-0101	5669704	1367952	9-62	1 305 17,480 3.68 644	6 10,240 3.74 383	9-69	19	653 .00 24 37	
64-63-0115	6141134	1234023	8-64	4 305 20,003 3.52 704	25 14,270 3.61 515	12-69	44	772 .01 29 44	
64-99-0101	4931647	1060259	8-59	8 304 18,834 3.41 642	17 14,530 3.63 528	12-69	44	891 -.06 23 42	
64-99-0101	4931648	1060259	8-59	8 305 19,928 3.66 729	21 15,241 3.70 564	3-70	44	950 -.03 30 50	
64-99-0101	6143493	1244009	4-64	3 305 20,040 3.96 794	25 16,200 3.91 634	1-69	42	890 -.01 30 48	
65-02-0075	5491061	1322069	8-61	5 305 16,712 3.36 562	16 11,112 3.46 385	9-69	44	707 -.01 24 38	
65-02-0075	6245173	1388567	12-64	3 305 17,800 3.32 591	8 11,823 3.41 403	4-69	34	924 -.01 32 51	
65-03-0331	6486120	1244845	1-66	2 305 22,515 3.52 793	25 16,000 3.66 585	8-69	40	910 -.05 26 45	
65-03-0331	6957875	1261857	8-67	1 305 19,260 3.68 709	5 17,100 3.61 617	4-70	36	655 .07 34 45	
65-06-0003	6023768	1329588	11-63	4 297 16,148 3.62 585	5 11,725 3.59 421	8-69	44	747 -.01 25 40	
65-06-0006	7300618	1315578	7-67	1 305 17,080 3.41 583	19 13,210 3.44 455	9-69	36	505 .07 29 37	
65-07-0006	5200742	1340669	10-60	6 304 20,025 3.29 658	33 14,583 3.53 515	10-69	44	951 -.12 17 39	
65-07-0006	6390397	1308101	11-65	2 305 17,550 3.37 592	21 14,670 3.53 518	6-69	40	856 -.04 25 43	
65-07-0006	6896515	1308101	10-67	1 305 18,430 3.58 659	28 16,480 3.47 572	12-69	36	756 -.02 25 40	
65-10-0001	6889428	1261857	10-67	1 284 16,450 3.52 579	20 14,020 3.59 503	9-69	36	652 .06 32 43	
65-12-0007	6691120	1261857	11-66	1 305 20,330 3.79 771	22 15,270 3.67 560	9-69	36	857 .07 42 57	
65-12-0007	6913401	1261857	10-67	1 305 18,730 3.51 658	23 15,740 3.64 573	11-69	36	706 .05 33 46	
65-13-0008	6213272	1329588	2-65	2 291 18,045 3.08 555	16 11,745 3.63 426	10-68	40	859 -.09 18 37	
65-13-0008	6646994	1261857	8-66	2 270 18,310 3.45 631	26 14,995 3.53 529	1-70	40	789 .04 35 50	
65-13-0008	6646995	1261857	9-66	1 305 22,550 3.49 788	19 15,120 3.53 533	1-70	36	1,033 .05 45 64	
65-13-0008	6686405	1261857	10-66	1 305 18,740 3.61 676	18 15,870 3.55 563	1-69	36	698 .07 35 47	
65-13-0008	6686406	1261857	11-66	1 305 17,520 3.70 648	16 15,160 3.52 534	2-70	36	655 .08 35 46	
65-13-0008	6785735	1360676	12-66	1 305 15,570 3.64 566	22 13,450 3.49 469	7-69	34	630 .02 25 37	
65-13-0008	6831847	1261857	2-67	1 305 16,970 3.77 640	18 14,210 3.50 498	9-69	36	678 .09 37 48	
65-13-0008	6831849	1261857	4-67	1 305 16,750 3.45 578	17 14,590 3.56 520	11-69	36	636 .06 31 42	
65-13-0008	6933054	1261857	7-67	1 305 18,110 3.53 639	16 15,160 3.52 534	2-70	36	699 .06 34 46	
65-19-0003	6004119	1244845	7-62	4 302 18,410 3.30 608	8 12,828 3.44 441	12-68	44	891 -.05 24 43	
65-20-0002	6329871	1422723	2-65	3 305 17,330 3.40 589	15 13,120 3.52 462	9-69	34	774 -.02 25 41	
65-52-0048	6194089	1416897	9-64	2 303 21,315 3.27 698	18 14,765 3.31 488	9-68	39	981 -.04 30 50	
65-52-0048	6446905	1444066	10-65	2 305 21,175 3.01 638	17 13,390 3.41 456	9-69	30	1,044 -.10 23 46	
65-53-0001	6380432	1258673	9-65	3 290 18,557 3.80 706	63 13,817 3.58 494	9-69	42	403 .17 39 43	
65-53-0001	6684926	1261857	9-66	1 305 17,400 3.82 664	41 15,130 3.73 564	11-68	36	648 .07 34 45	
65-53-0001	6684929	1261857	9-66	1 301 21,800 3.70 806	72 15,420 3.66 564	10-69	36	957 .07 45 62	
65-53-0001	6800621	1261857	10-66	1 305 17,220 3.94 678	36 14,810 3.78 560	6-69	36	656 .08 35 46	
71-02-0051	5538470	1260526	9-61	6 302 16,817 3.67 617	8 12,750 3.47 443	9-69	36	674 .02 27 40	
71-02-0056	5433581	1190632	8-61	3 305 22,153 3.27 724	8 15,253 3.82 582	4-69	42	1,044 -.16 14 39	
71-02-0056	6371366	1406271	11-63	3 305 19,017 3.73 709	10 15,373 3.77 579	9-68	42	852 .03 35 51	
71-02-0061	6025383	1271810	1-64	4 305 21,312 3.55 757	17 14,982 3.47 520	1-70	44	1,097 -.03 35 58	
71-02-0061	6279274	1406271	1-65	3 305 20,673 3.41 705	17 14,413 3.49 503	7-69	42	1,142 .01 42 64	
71-07-0006	5483875	1265694	12-60	4 304 20,188 2.77 559	5 13,028 3.21 418	6-69	43	1,192 -.17 18 46	
71-10-0002	7039559	1261857	7-66	1 305 21,400 2.87 614	6 15,980 3.44 549	1-69	36	889 -.01 31 49	
71-10-0002	7039560	1261857	7-66	1 305 17,920 3.35 600	11 14,600 3.41 498	11-68	36	723 .05 34 47	
71-10-0007	6265399	1399607	12-63	1 305 19,910 3.17 631	23 15,610 3.25 507	12-69	28	853 -.03 27 45	
71-10-0007	6520899	1244009	5-65	2 305 19,445 3.33 648	21 13,500 3.35 452	10-69	40	1,037 -.05 30 52	
71-10-0023	6444890	1330987	8-65	3 212 17,767 3.26 580	11 14,600 3.26 476	8-69	42	685 .02 28 41	
71-10-0025	6551433	1330987	4-66	1 305 19,070 3.26 622	6 14,010 3.20 449	1-70	36	722 .03 31 44	
71-10-9001	5697716	1361163	11-62	4 305 23,780 3.15 748	7 18,590 3.43 638	4-69	37	863 -.09 18 37	
71-10-9001	6159807	1210507	9-64	2 305 27,560 3.17 873	9 21,945 3.21 704	12-69	39	1,102 -.10 24 49	
71-10-9001	6444887	1330987	7-65	3 304 22,403 3.28 735	13 19,130 3.29 629	9-69	42	749 .02 30 44	
71-10-9001	6551427	1330987	1-66	2 305 21,395 3.68 788	9 18,480 3.40 629	7-69	40	666 .08 35 46	
71-10-9001	6551428	1330987	2-66	2 305 23,780 3.43 815	10 19,055 3.37 643	6-69	40	855 .03 36 52	
71-10-9001	6551429	1330987	2-66	2 305 21,460 3.57 767	9 18,480 3.40 629	7-69	40	672 .06 33 45	
71-10-9001	6753390	1466179	1-67	1 305 22,460 3.33 747	12 19,110 3.35 640	9-69	26	919 -.03 29 48	
71-18-0009	6292904	1406271	3-65	1 305 16,350 3.88 634	5 14,690 3.57 524	8-69	36	588 .06 30 40	
71-19-0035	6695043	1406271	6-66	2 305 22,415 3.30 740	6 14,300 3.50 500	1-70	40	1,259 -.01 44 69	
71-19-9023	6302251	1210507	12-64	3 293 18,873 3.33 628	17 13,980 3.58 500	9-69	41	994 -.11 19 42	
71-80-9003	5637073	1355784	4-62	4 305 20,582 3.15 648	37 14,992 3.38 507	1-70	43	1,163 -.11 25 51	
71-80-9003	5637074	1355784	4-62	4 298 18,547 3.13 581	29 14,082 3.41 480	10-68	43	1,011 -.11 20 43	
72-16-0005	5940679	1330987	8-63	3 305 17,180 3.37 579	21 13,903 3.45 480	10-69	42	689 .01 27 40	

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT MILK (%) (L8)	I N O E X..... FAT (%) (L8)	OOL- LARS				
72-17-0003	5516019	1182696	12-61	4 297	19,075	3.44	657	45	15,015	3.22	483	7-69	44	781	.03	33	\$ 48
72-17-0003	6549851	1273756	10-65	2 305	19,605	3.08	604	41	14,810	3.15	466	10-69	40	830	-.01	29	46
72-17-0003	6549852	1273756	10-65	2 305	22,830	2.84	648	36	15,070	3.15	474	11-69	40	1,134	-.05	33	57
72-17-0003	6549853	1273756	11-65	2 305	19,875	3.02	601	21	14,755	3.16	466	1-70	40	863	-.01	29	46
72-17-0003	6712612	1261857	9-66	1 305	16,610	4.03	670	44	14,010	3.18	446	7-69	36	664	.13	43	53
72-17-0003	6853771	1261857	11-66	1 305	16,460	3.44	567	19	13,810	3.44	475	3-69	36	667	.06	33	45
72-17-0003	6853772	1261857	12-66	1 305	17,330	3.61	626	37	14,110	3.22	454	6-69	36	711	.09	39	51
72-17-0003	6901587	1347940	6-67	1 305	15,600	3.37	525	46	13,950	3.22	449	7-69	36	693	.00	25	39
72-28-0010	5325628	1112211	1-61	1 305	19,990	3.09	617	9	14,540	3.60	523	1-70	36	831	-.08	18	37
72-28-0011	6226290	1406271	10-64	1 305	16,280	3.73	608	9	13,160	3.43	452	7-69	36	685	.05	32	44
72-28-0013	6982347	1320310	11-67	1 305	16,490	3.53	582	21	12,990	3.56	463	11-69	35	921	-.05	26	45
72-31-6101	5772879	1183303	9-62	3 305	19,817	3.37	668	18	13,563	3.33	452	2-70	40	912	-.03	28	47
72-31-6101	6014046	1391169	1-64	4 296	18,560	3.34	620	39	13,420	3.31	444	9-69	33	707	-.01	24	38
72-31-6101	6901630	1383247	8-67	1 305	23,590	3.26	770	49	15,980	3.34	533	8-69	35	966	-.07	24	45
72-31-6101	6978527	1406271	9-67	1 305	21,190	3.05	646	51	15,830	3.34	529	8-69	36	872	-.01	30	48
72-34-0126	5779640	1237057	9-62	5 286	18,194	3.49	635	23	14,586	3.46	505	1-70	44	750	-.03	22	38
72-34-0126	5922757	1352290	10-63	4 295	20,472	3.49	714	27	14,237	3.53	503	12-68	36	1,093	-.04	33	56
72-34-0126	6161520	1352290	11-64	1 305	22,150	3.36	745	24	15,610	3.52	549	12-68	26	826	-.05	22	40
72-43-0001	6301319	1406271	1-65	2 211	21,405	3.03	649	18	16,380	3.33	545	3-69	40	966	-.03	31	51
72-53-0014	6290707	1279868	12-64	2 264	19,175	3.31	634	75	14,215	3.57	508	2-70	8 38	800	-.03	24	41
72-53-0014	6310568	1148087	12-64	1 305	19,730	3.67	724	86	13,120	3.64	478	11-68	35	749	-.02	24	39
73-04-9027	5654967	1199324	2-62	4 305	21,415	3.56	762	14	15,000	3.57	535	1-70	44	1,259	-.02	43	68
73-04-9027	5880824	1283518	7-63	4 266	17,443	3.39	592	13	14,245	3.47	495	1-70	37	778	-.04	22	38
73-04-9027	5964663	1301864	12-63	4 303	18,672	3.48	649	32	14,457	3.66	529	9-69	44	684	-.01	23	37
73-04-9027	6100314	1301864	2-64	4 300	17,610	3.86	679	25	14,392	3.54	510	9-69	44	560	.06	29	39
73-04-9027	6259754	1222994	12-64	4 243	19,468	3.68	717	12	15,635	3.59	561	3-70	44	779	.01	30	45
73-04-9027	6521439	1386406	4-66	2 305	17,705	3.82	677	35	14,290	3.65	521	10-69	40	659	.04	29	41
73-04-9027	6704240	1406271	9-66	1 286	18,750	3.00	563	48	14,050	3.57	501	9-69	36	810	-.02	26	43
73-09-9004	5982821	1445899	11-63	3 305	20,976	3.22	675	30	14,953	3.65	546	8-69	33	1,118	-.09	27	51
73-09-9004	6475178	1175471	6-65	3 305	19,783	3.71	734	28	16,060	3.66	587	4-69	42	583	.04	27	38
73-16-0005	7038202	1315578	8-67	1 288	19,900	2.95	588	49	16,000	3.05	488	12-69	36	528	.06	28	37
73-20-0010	6333077	1271810	2-65	3 295	20,656	3.15	650	18	15,933	3.48	555	11-69	42	876	-.10	17	37
73-20-0011	7028223	1360676	3-67	1 305	16,730	3.55	594	8	12,290	3.35	412	3-69	34	799	.02	32	47
73-23-0028	5820208	1401595	12-62	2 305	18,140	3.58	650	31	12,595	3.61	455	9-68	25	685	.00	24	38
73-23-0033	6965277	1466652	2-66	2 305	21,045	3.66	771	6	14,680	3.78	555	8-69	25	815	-.01	28	44
73-23-9006	5421424	010237136	2-59	4 305	19,250	4.14	796	12	13,145	3.71	488	5-69	43	622	.11	39	49
73-23-9006	6594739	1450228	1-66	2 305	20,545	3.74	769	32	14,070	3.64	512	8-69	37	1,340	-.01	47	74
73-23-9006	7070208	1314767	10-67	1 305	20,100	4.02	808	42	15,090	3.46	522	11-69	36	588	.07	32	42
73-23-9008	5759210	1310625	10-62	4 305	19,697	3.27	644	22	13,890	3.56	494	2-69	37	1,105	-.06	31	54
73-23-9008	6089171	1310625	3-63	5 299	16,352	3.63	593	24	13,324	3.63	483	3-70	38	722	.00	26	40
73-23-9008	6794186	1309949	1-66	3 304	23,670	3.64	861	19	14,163	3.71	526	2-70	34	1,360	-.01	47	74
73-24-9001	6101381	1179373	4-64	3 305	20,213	3.53	713	25	14,037	3.48	489	2-69	42	771	-.01	27	42
73-24-9001	6443085	1294703	1-66	2 305	19,355	3.38	654	33	13,700	3.61	494	1-70	40	970	-.07	25	46
73-24-9006	5888540	1236579	4-63	4 301	19,573	3.92	767	7	15,238	3.79	577	2-70	42	787	.00	28	44
73-24-9014	6567861	1282185	2-66	2 299	20,215	3.83	774	17	14,070	3.78	532	11-69	40	714	.00	26	40
73-24-9014	6726593	1458744	9-66	1 305	20,560	3.70	761	6	14,640	3.78	553	4-69	36	1,005	-.01	35	55
73-26-0024	6275739	010280596	3-64	4 302	17,347	3.50	608	33	13,747	3.51	482	9-69	36	618	.02	25	37
73-26-0024	6979604	1472425	9-67	1 305	21,670	3.05	660	36	14,090	3.37	475	11-69	23	876	-.06	23	42
73-26-0024	7006876	1472425	1-68	1 305	19,430	3.95	767	34	14,600	3.26	476	2-70	23	632	.07	33	44
73-26-9010	5461582	1336531	10-61	5 305	20,192	3.42	691	17	14,880	3.52	524	3-69	35	891	-.01	30	48
73-32-0003	6982170	1261857	9-66	2 294	19,365	3.81	737	6	13,950	3.67	512	12-69	40	991	.08	48	66
73-37-0019	5886900	1387748	4-63	5 299	20,140	3.04	612	15	14,402	3.51	506	10-69	36	940	-.11	17	39
73-37-0021	6493599	1244845	1-66	2 305	19,115	3.68	704	21	13,185	3.94	520	1-70	40	822	-.05	23	40
73-37-0024	6585059	1458744	7-66	2 286	20,085	3.37	677	20	17,080	3.62	618	2-70	40	862	-.04	25	43
73-37-0024	6680725	1383311	10-66	2 301	19,550	4.07	796	19	16,465	3.60	592	1-70	40	568	.04	27	37
73-37-0024	6757826	1308101	1-67	1 290	19,010	3.62	688	29	15,630	3.74	584	7-69	36	856	-.03	27	45
73-37-9003	5467490	1345354	11-61	6 304	20,053	3.76	753	21	17,101	3.67	628	12-69	43	562	.05	27	37
73-37-9003	5914363	1404814	10-63	4 305	21,935	3.59	788	21	18,285	3.71	678	9-69	36	882	.01	33	50
73-37-9003	6482601	1366229	1-66	3 305	22,020	3.89	856	25	18,716	3.76	704	2-70	42	505	.08	30	38
73-37-9003	6889196	010288790	5-67	1 305	24,380	3.96	965	34	19,630	3.97	779	10-69	28	626	.06	32	43
73-41-0029	5551829	1330649	8-61	5 305	19,980	3.23	645	22	13,420	3.51	471	9-69	38	1,113	-.09	27	51
73-41-0034	6725771	1320310	9-66	2 302	17,780	3.12	555	8	13,415	3.34	448	10-69	40	1,063	-.08	27	50
73-41-0048	6946645	1399824	8-67	1 305	18,330	3.62	664	10	14,600	3.45	504	10-69	36	679	.03	29	42
73-41-0048	6992129	1347940	7-67	1 305	18,640	3.53	658	12	14,700	3.54	520	11-69	36	869	-.01	30	47
73-41-0049	6783445	1406271	11-66	1 296	20,070	3.55	713	5	15,110	3.50	529	12-69	36	837	.03	35	51
73-41-0063	5929496	1237057	8-63	3 248	20,690	3.00	620	33	14,657	3.40	498	6-69	8 42	989	-.11	19	41
73-42-0007	6887610	1406271	11-65	1 305	18,710	3.50	654	9	14,520	3.62	526	10-69	36	775	.02	31	46
73-42-0007	6897691	1406271	10-65	1 305	17,510	3.94	690	6	14,610	3.50	512	12-69	36	680	.07	35	47
73-45-0033	6138455	1435095	10-64	3 301	19,133	3.45	661	9	13,190	3.57	471	12-69	41	804	.03	33	48
73-45-9020	6512502	1022207	10-65	3 305	24,896	3.10	773	11	15,103	3.46	523	11-69	34				

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT (L8) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT (L8) (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (L8) OOL- LARS
73-70-9015	6241141	1367353	11-64	2 305 23,195 3.41 792	7 15,835 3.66 580	3-69	39	884	-.01 30 \$ 48
73-72-0026	5906369	1419526	11-63	3 305 20,557 3.32 683	10 15,197 3.59 546	4-69	31	850	-.07 20 39
73-72-0026	5906370	1419526	11-63	3 305 20,233 3.25 657	11 14,037 3.58 503	10-68	31	950	-.08 22 43
73-76-9008	5425817	1354086	8-61	6 290 18,100 3.51 636	19 13,976 3.62 506	6-69	37	642	-.01 24 37
74-01-0033	4975405	1112211	8-59	6 305 19,277 3.22 621	29 15,273 3.21 491	4-69	44	902	-.04 26 45
74-01-0033	6719567	1315578	9-66	1 305 20,330 3.59 730	13 17,220 3.18 547	3-70	36	478	.12 34 41
74-01-0033	7052809	1308101	8-67	1 305 16,260 3.44 560	33 14,520 3.34 485	8-69	36	726	-.01 24 39
74-03-0129	5870812	1362818	7-63	3 302 18,506 4.10 758	60 14,310 3.77 539	10-69	34	665	.05 32 44
74-04-0143	7386666	010298080	12-67	1 305 23,970 3.54 849	20 16,830 3.64 612	12-69	19	706	-.01 24 38
74-05-0032	5557796	1216957	1-62	4 305 16,408 3.94 647	14 12,310 3.43 422	11-69	44	497	.09 31 39
74-05-0032	6101314	1179372	8-63	4 305 21,155 3.14 665	9 14,003 3.48 488	9-69	44	1,092	-.06 30 53
74-06-0003	6547962	1308101	1-66	2 305 17,830 3.28 585	6 13,685 3.46 474	6-69	40	974	-.05 28 49
74-10-0131	6123543	1409681	1-64	4 297 19,772 3.17 626	19 15,665 3.35 525	9-69	35	831	-.07 20 38
74-10-0131	6574671	1409681	8-64	3 305 19,683 3.34 658	25 15,563 3.32 517	5-69	34	795	-.02 25 41
74-10-0131	6574675	1330987	10-65	3 305 19,577 3.44 674	26 16,380 3.38 554	11-69	42	708	.04 31 44
74-10-0131	6574686	1237057	12-65	2 305 21,455 3.35 719	28 16,650 3.36 560	1-69	40	812	-.05 22 39
74-10-0131	6577867	1409681	10-64	3 305 18,790 3.34 627	19 14,950 3.37 504	10-68	34	750	-.03 22 38
74-10-0131	6998584	1308101	11-67	1 305 23,920 3.23 772	30 17,090 3.38 577	11-69	36	1,124	-.05 33 57
74-10-0136	5831057	1162188	11-62	3 305 19,853 3.17 629	29 14,490 3.42 495	9-69	42	892	-.08 20 40
74-10-0169	5197844	1179372	9-60	5 299 17,816 3.55 632	19 14,406 3.45 497	10-68	44	651	.02 26 38
74-10-0179	5788153	1210507	12-62	6 305 19,742 3.24 639	19 14,883 3.47 517	1-70	43	1,057	-.12 20 44
74-10-0179	6781172	1315578	11-66	1 301 18,430 3.75 691	25 15,170 3.53 536	11-69	36	474	.10 32 39
74-10-0193	5892051	1240549	10-63	4 301 19,953 3.17 633	42 13,953 3.35 467	11-69	44	770	-.03 23 39
74-10-0193	6660209	1458744	9-66	1 305 15,920 3.42 545	58 14,120 3.40 480	10-69	36	694	-.01 23 37
74-10-0193	6794126	1244009	4-67	1 305 19,360 3.10 600	58 14,060 3.41 479	10-69	36	861	-.07 20 39
74-10-0201	6864076	1315578	11-66	1 305 19,410 3.50 680	30 15,510 3.42 530	6-69	36	524	.09 32 40
74-10-0201	6880385	1377954	1-67	1 305 19,010 3.59 683	50 15,610 3.41 532	8-69	36	637	.03 28 40
74-11-0118	4615337	1087974	5-58	8 303 18,996 3.59 682	11 13,379 3.52 471	12-68	44	1,053	.01 39 60
74-11-0140	6263325	1332375	7-63	4 297 17,763 3.80 675	9 14,593 3.44 502	12-69	32	626	.06 31 42
74-11-0140	7060780	1331709	11-67	1 305 21,110 3.45 728	8 13,720 3.45 474	2-70	35	842	-.04 25 43
74-12-0104	5463827	1199324	10-61	7 292 22,051 3.44 759	63 16,507 3.63 599	12-69	44	1,196	-.05 36 61
74-12-0104	5463828	1199324	10-61	5 302 21,478 3.58 769	45 16,812 3.63 610	1-69	44	1,086	-.02 36 58
74-12-0104	5526121	1199324	11-61	6 294 18,706 3.44 643	70 16,096 3.58 576	10-69	44	812	-.04 24 41
74-12-0104	6035865	1410387	1-64	4 305 20,025 3.46 692	87 15,700 3.55 558	11-69	40	784	-.04 22 39
74-12-0104	6138218	1386406	4-64	4 304 22,382 3.42 765	79 16,172 3.57 578	2-70	44	1,086	-.02 36 58
74-12-0104	6443328	1182696	7-65	3 293 21,817 3.48 759	109 15,597 3.58 559	9-69	42	1,007	.00 36 56
74-12-0104	6495350	1237057	3-65	3 297 21,760 3.43 746	84 16,737 3.58 599	12-69	42	897	-.06 23 42
74-12-0104	6649964	1451515	11-65	2 305 21,605 3.56 770	48 16,515 3.64 601	3-69	29	671	-.01 23 37
74-12-0111	4858850	1112211	10-58	7 304 24,081 3.47 835	45 17,057 3.55 606	2-69	44	1,315	-.04 41 68
74-12-0111	5363802	1358416	4-61	6 304 21,003 3.52 740	46 17,047 3.55 605	10-69	36	700	-.01 24 38
74-12-0111	5936714	1399099	7-63	4 305 23,920 3.27 781	55 17,890 3.51 628	1-69	35	886	-.05 25 44
74-12-0111	6728651	1315578	8-66	2 305 20,915 3.81 796	58 19,395 3.40 660	2-70	40	418	.14 35 40
74-12-0111	6791689	1308101	10-66	2 301 24,620 3.38 832	58 19,670 3.46 680	1-70	40	1,117	-.04 35 58
74-12-0113	6414513	1461158	11-65	3 292 21,510 3.78 814	85 16,876 3.80 642	11-69	33	633	.01 25 37
74-12-0124	5144812	1203114	3-59	4 305 20,450 3.57 730	51 15,298 3.56 544	11-69	44	763	-.02 25 41
74-12-0124	5405118	1244845	9-61	3 305 20,773 3.22 669	48 15,623 3.51 548	12-68	42	832	-.08 18 37
74-12-0124	5688599	1179372	10-62	5 302 21,502 3.40 730	41 15,378 3.49 537	3-70	44	1,014	-.02 34 55
74-12-0124	6588278	1447763	3-66	3 295 21,870 3.31 724	37 16,723 3.44 576	3-70	29	773	-.04 22 38
74-12-0124	6661357	1406271	4-66	1 305 18,240 3.56 650	66 15,010 3.52 529	7-69	36	707	.03 30 43
74-14-0122	6890917	1261857	5-67	1 305 16,730 3.60 603	39 13,480 3.39 457	8-69	36	709	.08 37 49
74-14-0122	6908064	1377954	4-67	1 305 17,360 3.32 576	28 13,530 3.35 453	6-69	36	654	.01 25 38
74-15-0151	7249422	1315578	9-67	1 305 22,840 3.41 778	5 16,810 3.43 576	3-70	36	693	.08 36 48
74-15-0156	6124156	1403342	8-64	4 290 19,638 3.10 608	5 15,245 3.57 545	10-69	34	948	-.12 16 38
74-15-0185	6509373	1409681	5-64	3 298 20,390 3.31 674	11 13,506 3.43 463	5-69	34	1,133	-.05 33 57
74-15-0189	6430181	1417208	8-65	2 305 20,245 3.37 683	15 15,455 3.59 555	11-69	40	910	-.03 29 48
74-16-0104	6444588	1212173	11-65	2 305 17,245 3.62 625	15 12,710 3.49 443	4-69	40	595	.03 26 37
74-18-0128	6385837	1459917	9-65	3 305 19,366 3.40 658	31 14,830 3.31 491	3-70	32	740	.02 29 43
74-18-0151	6341080	1249430	12-64	3 305 20,587 3.33 685	7 13,040 3.37 440	10-69	42	959	-.01 33 52
74-25-0108	6563510	1458744	3-66	2 305 18,105 3.78 685	28 15,145 3.72 564	10-69	40	837	.01 31 47
74-25-0108	6585855	1291498	6-66	2 305 22,375 4.01 898	36 15,665 3.65 571	9-69	40	857	.03 36 52
74-25-0202	6563509	1237057	3-66	3 297 20,023 3.63 726	9 15,897 3.59 571	3-70	42	784	-.04 23 39
74-25-0202	6778262	1458744	2-67	2 305 21,965 3.74 822	7 15,670 3.57 559	2-70	40	1,181	.02 45 68
74-25-0204	6709340	1399951	2-65	3 305 17,856 4.09 730	8 12,616 3.62 457	7-69	33	785	.09 41 54
74-25-0204	6827025	1399951	8-66	2 305 19,480 3.66 713	18 13,055 3.68 480	11-69	30	854	.01 32 49
74-25-0204	7362247	1399951	11-67	1 305 18,610 3.63 676	5 12,960 3.46 448	1-70	25	607	.02 25 37
74-31-0114	5647064	1397384	4-62	3 305 20,630 3.15 649	25 14,580 3.50 511	6-69	31	982	-.09 22 44
74-31-0114	6971903	1308101	9-67	1 305 18,760 3.48 653	35 14,930 3.49 521	10-69	36	884	-.03 28 46
74-31-0126	4491414	1070839	9-57	6 302 19,493 3.37 657	26 14,020 3.44 482	7-69	37	850	-.02 28 45
74-31-0126	6909397	1347940	7-67	1 305 19,240 3.11 598	72 16,070 3.37 542	11-69	36	822	-.04 24 41
74-31-0135	6422673	1435303	8-65	2 303 19,805 3.77 747	26 15,060 3.54 533	9-69	25	615	.04 28 39
74-31-0135	6431504	1435303	7-65	2 305 20,930 3.35 701	24 15,215 3.48 530	7-69	25	739	-.03 22 37
74-31-0135	6813680	1261857	11-66	2 305 25,685 3.76 967	24 17,360 3.55 616	2-70	40	1,321	.09 62 86
74-31-0141	6760756	1261857	11-66	2 305 18,030 3.55 640	27 15,825 3.53 558	2-70	40	685	.06 34 46
74-31-0141	6867130	1261857	3-67	1 305 19,070 3.42 652	23 14,110 3.52 496	9-69	36	841	.05 38 53
74-31-0141	6867131	1261857	7-67	1 305 16,740 3.80 636	28 14,540 3.54 514	11-69	36	639	.08 35 46
74-31-0141	6886254	1261857	7-67	1 305 17,340 3.52 611	29 14,420 3.56 514	10-69	36	691	.06 34 46
74-31-0141	6988017	1458744	9-67	1 305 17,200 3.57 614	27 14,580 3.50 511	8-69	36	758	-.01 26 41
74-31-0141	7184249	1261857	7-67	1 305 19,790 3.44 680	15 18,080 3.43 621	4-70	36	628	.06 32 43
74-31-0141	7204618	1261857	9-67	1 294 19,300 3.56 688	30 15,470 3.54 547	12-69	36	767	.06 37 51
74-31-0141	7204723	1261857	7-67	1 305 18,410 3.64 670	34 16,080 3.50 562	1-70	36	660	.08 35 46
74-31-0151	6544439	1182696	12-65	1 305 20,700 3.10 641	7 13,600 3.21 437	8-69	36	826	-.01 28 45
74-31-0151	7089394	1308101	1-68	1 305 21,150 3.05 645	6 16,120 3.49 563	3-70	36	983	-.07 25 46
74-32-0145	5457373	1375143	8-61	6 301 21,106 3.04 641	10 14,416 3.13 451	10-69	36	991	-.07 26 47
74-33-0107	5102174	1360660	10-59	7 305 20,199 3.30 666	14 14,934 3.17 473	11-69	35	1,203	-.02 41 65
74-33-0154	6683316	1315578	7-66	2 305 17,030 3.04 517	18 11,795 3.29 388	8-69	40	718	.03 31 44

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C MO-YR O	.....C O W MILK (L8)	I N O E X..... FAT FAT (%) (L8)	..... OOL- LARS
74-35-0182	6519837	1282185	12-65	2 300 23,550 3.34 786	32 16,835 3.39 571	2-69	40	800	-.03 24 \$ 41
74-35-0190	6304376	1330987	6-65	1 305 18,130 3.60 652	9 12,960 3.56 462	10-69	36	723	.04 32 45
74-35-0191	5592653	1352979	6-62	1 305 24,360 3.58 871	25 17,450 3.56 621	11-69	35	841	-.05 23 41
74-36-0003	6412084	1244009	7-65	3 300 20,103 3.27 657	30 15,393 3.52 542	8-69	42	981	-.08 23 45
74-36-0003	6688125	1261857	7-66	2 305 19,805 3.86 764	30 16,225 3.60 584	11-69	40	828	.10 44 58
74-36-0003	6832224	1261857	6-67	1 305 19,360 3.47 672	17 15,070 3.46 521	5-69	36	798	.06 38 52
74-36-0003	6930923	1261857	7-67	1 305 19,000 3.26 620	25 13,640 3.46 472	7-69	36	867	.04 37 53
74-36-0022	4922086	1136723	8-59	7 305 20,537 3.15 647	57 12,947 3.49 452	9-69	44	1,008	-.05 29 50
74-36-0022	5174494	1182696	5-60	4 304 15,998 3.98 637	119 12,370 3.42 423	9-69	44	695	.08 37 49
74-36-0022	6161763	1296266	10-64	4 298 19,608 3.58 701	75 14,323 3.53 506	1-70 A	43	593	.05 28 39
74-36-0022	6184485	1308101	11-64	3 304 16,656 3.12 520	92 12,590 3.34 421	6-69	42	989	-.06 27 48
74-36-0022	6290077	1308101	11-64	3 305 16,496 3.41 563	116 12,650 3.36 425	9-69	42	965	-.03 31 51
74-36-0022	6336206	1431720	1-65	3 305 20,733 2.67 554	102 13,283 3.48 462	3-70	41	1,091	-.20 10 37
74-36-0022	6588409	1308101	5-66	1 305 19,870 3.39 674	46 15,160 3.58 542	4-70	36	952	-.04 28 48
74-36-0022	6588410	1308101	6-66	1 305 16,420 3.70 607	85 13,070 3.64 476	4-69	36	835	-.01 28 45
74-36-0022	6588412	1308101	6-66	1 305 15,440 3.83 591	193 13,010 3.64 474	10-69	36	766	.00 27 42
74-36-0022	6643053	1308101	8-66	1 305 15,820 3.63 574	88 13,010 3.62 471	5-69	36	794	-.02 26 42
74-36-0022	6708032	1308101	7-66	1 305 15,760 3.72 587	88 13,010 3.62 471	5-69	36	790	-.01 27 43
74-36-0022	6748021	1308101	11-66	2 300 16,515 3.75 619	107 13,175 3.64 480	1-70	40	887	-.01 31 49
74-36-0022	6785852	1308101	7-66	1 305 17,490 3.40 594	88 13,010 3.62 471	5-69	36	919	-.04 27 46
74-36-0022	6793921	1308101	2-67	1 305 17,020 3.31 564	110 14,660 3.65 535	2-70	36	773	-.05 21 37
74-36-0022	7046499	1308101	2-68	1 305 17,240 3.81 656	46 15,160 3.58 542	4-70	36	756	.00 27 42
74-36-0025	5833229	1182696	2-63	3 292 21,040 3.34 702	19 15,150 3.41 516	11-68	42	964	-.01 34 53
74-36-0027	6694825	1244009	1-65	3 305 17,583 3.28 577	38 13,723 3.59 493	11-69	42	864	-.08 19 38
74-36-0030	5292914	1215610	11-60	5 305 21,786 3.52 766	78 15,310 3.49 534	12-69	36	1,061	.01 40 61
74-36-0030	5771861	1320156	9-62	5 305 19,078 3.61 688	92 15,680 3.44 539	12-69	34	610	.02 25 37
74-36-0030	6036672	1403342	10-63	3 230 18,087 3.27 591	48 14,683 3.37 495	11-68	32	770	-.05 20 37
74-74-0012	7018707	1315578	8-67	1 305 18,250 3.88 708	26 14,790 3.55 525	12-69	36	486	.11 34 41
74-74-0013	6509576	1182696	10-65	2 305 18,535 3.38 626	27 13,670 3.52 481	9-68	40	773	-.01 27 42
81-16-0031	6578418	1237057	4-66	2 305 19,035 3.74 711	39 15,160 3.40 515	9-69	40	702	.00 25 39
81-16-0184	5340354	1306660	6-61	6 305 19,438 3.52 684	22 14,982 3.55 532	8-69	37	962	-.04 28 48
81-16-0184	5514001	1337741	12-61	3 304 19,117 3.37 644	14 15,453 3.45 533	1-69	42	750	-.01 25 40
81-16-0184	5701075	1337741	11-62	4 305 19,018 3.86 735	15 15,433 3.52 543	7-69	43	763	.06 36 50
81-16-0184	5701076	1337741	12-62	4 302 19,403 3.19 619	24 14,273 3.59 513	9-69	43	941	-.06 25 45
81-16-0184	5912383	1337741	11-63	3 305 18,317 3.32 609	26 14,677 3.54 519	12-68	42	738	-.03 22 37
81-16-0185	5757934	1237057	7-62	4 303 20,620 3.17 653	14 16,245 3.16 514	3-69	44	848	-.06 22 40
81-16-0185	6541830	1450828	1-66	2 305 21,130 3.56 753	33 14,790 3.49 516	9-69	25	813	.00 30 46
81-16-0801	6408093	1330987	10-65	2 302 21,370 4.08 871	20 16,395 3.82 627	8-69 H	40	854	.08 43 58
81-16-0842	6219498	1398216	9-64	4 305 18,907 3.65 690	20 13,615 3.57 486	12-69	43	951	-.02 32 51
81-16-0917	6879400	1330987	12-66	1 305 21,290 3.33 710	27 16,080 3.52 566	6-69	36	749	.01 29 44
81-16-9031	5738572	1340669	11-62	3 305 22,050 3.08 679	26 15,246 3.46 527	9-68	42	1,048	-.14 17 41
81-16-9031	6139980	1329588	6-64	3 305 21,343 3.55 757	24 17,573 3.50 615	1-69	42	709	-.02 23 37
81-16-9039	4895597	1306660	5-59	8 305 18,381 3.31 609	14 14,823 3.30 489	11-69	37	828	-.05 23 41
81-16-9039	4968702	1306660	12-59	6 305 21,742 3.10 674	14 14,963 3.24 485	7-69	37	1,300	-.09 33 61
81-16-9187	5296715	1190953	2-61	7 303 21,091 3.44 726	31 15,400 3.52 542	7-69	42	924	.00 34 52
81-16-9187	5647645	1337741	8-62	4 305 18,943 3.44 651	30 15,868 3.60 571	7-69	43	705	-.02 22 37
81-16-9187	5902934	1268294	10-63	4 302 20,990 3.62 760	37 16,198 3.64 590	11-69	44	860	-.03 27 45
81-16-9512	5920237	1330987	9-63	3 305 20,817 3.23 673	15 15,770 3.33 525	10-68	42	914	.01 34 52
81-16-9512	6002043	1237057	12-63	4 305 21,578 2.93 633	20 16,000 3.39 542	11-69	44	994	-.13 16 39
81-16-9512	6048491	1199324	5-63	5 304 17,956 3.18 571	18 15,286 3.38 516	12-69	44	809	-.05 22 39
81-16-9512	6435782	1199324	8-64	3 305 17,543 3.39 594	20 15,583 3.39 528	1-69	42	709	-.02 23 37
81-16-9513	5874085	1182696	7-63	3 305 19,630 3.57 700	17 16,033 3.41 546	11-68	42	710	.04 31 44
81-16-9513	6314564	1182696	3-65	2 305 17,860 3.90 696	24 15,665 3.45 541	9-68	40	522	.07 29 38
81-41-0473	6104210	1416897	4-64	1 305 21,400 3.22 689	5 15,280 3.49 534	10-69	35	792	-.05 21 38
82-11-0244	6349584	1179372	12-64	3 305 22,100 3.56 786	10 15,670 3.72 583	8-69	42	973	-.01 34 53
82-11-0244	7254603	1261857	1-67	1 305 19,500 3.76 734	9 16,820 3.75 631	8-69	36	691	.07 35 47
82-12-0119	6024223	1271075	11-63	3 305 22,830 3.42 780	20 17,543 3.73 654	4-69	42	1,078	-.05 31 54
82-12-0119	6970125	1383004	12-67	1 305 22,730 3.71 844	13 15,840 3.79 600	12-69	36	522	.10 34 42
82-12-0144	4887281	1217920	3-59	8 305 20,499 3.70 758	44 16,138 3.56 575	1-70	36	742	.04 33 47
82-12-0144	4887287	1217920	5-59	7 304 18,867 4.00 755	46 16,254 3.61 586	11-69	36	482	.09 31 38
82-12-0144	6311708	1297472	5-65	3 301 20,493 3.91 802	66 16,553 3.70 612	1-70	41	579	.07 31 41
82-12-5138	5215418	1192713	8-60	3 305 20,920 3.66 765	19 18,527 3.47 643	12-68	42	680	.02 28 41
82-12-5138	5808843	1358647	11-62	5 304 21,194 4.01 849	25 17,120 3.49 598	10-69	43	409	.13 33 38
82-12-5138	6562294	1268297	2-66	2 305 20,130 3.86 778	31 17,885 3.43 613	5-69	40	438	.11 32 38
82-12-9122	6402597	1463990	8-65	2 305 18,970 3.91 741	22 14,890 3.79 564	7-69	29	667	.01 26 39
82-12-9122	6808558	1436990	3-67	1 305 21,420 3.63 778	11 15,670 3.63 569	2-70	23	712	-.01 24 38
82-12-9122	6997005	1436990	9-67	1 305 24,370 3.38 823	7 15,610 3.63 566	4-70	23	984	-.04 29 50
82-14-0111	6127240	1329588	7-64	3 305 20,843 3.48 726	27 15,717 3.60 566	3-69	42	844	-.04 25 43
82-14-0111	6845779	1330987	10-66	2 299 19,415 3.62 703	25 16,115 3.64 586	11-69	40	681	.04 30 43
82-14-0111	6845780	1466344	11-66	2 301 21,580 3.44 743	20 16,430 3.63 597	12-69	30	788	-.03 24 40
82-14-0225	6192751	1407408	11-64	4 305 22,507 3.35 753	13 17,972 3.47 623	1-70	35	790	-.04 23 40
82-14-0225	6537895	1330987	5-66	2 305 18,925 3.49 660	24 16,315 3.53 576	10-69	40	613	.03 27 38
82-14-0264	6283780	1242221	3-65	2 295 15,795 3.86 610	12 14,040 3.66 514	9-69	38	860	.02 34 51
82-15-0195	7358026	1458744	10-67	1 305 16,910 3.53 597	16 14,950 3.65 545	1-70	36	712	-.02 23 38
82-16-5141	6283779	1242221	3-65	3 305 19,410 3.68 714	15 16,427 3.75 616	12-69	41	1,034	-.01 36 57
82-16-5141	6401731	1242221	5-65	3 305 19,383 3.64 705	13 16,067 3.84 617	9-69	41	1,069	-.02 35 57
82-16-5141	6401734	1242221	7-65	2 305 19,570 4.01 784	13 16,425 3.76 617	12-68	38	1,030	.03 42 62
82-16-5141	6650358	1242221	8-66	2 305 17,920 3.93 705	17 16,035 3.85 618	11-69	38	894	.01 34 51
82-17-0151	5368880	1295307	11-60	4 302 19,688 3.78 744	16 15,618 3.59 560	11-69	42	677	.03 29 42
82-19-0193	6066597	1271075	8-63	4 299 19,043 3.70 704	16 14,768 3.54 523	5-69	43	953	.02 37 55
82-19-0193	6832280	1261857	11-66	1 301 17,570 3.47 610	14 14,960 3.62 542	9-69	36	672	.05 32 44
82-19-0193	7030693	1261857	7-67	1 305 19,200 3.40 653	20 15,700 3.59 563	2-70	36	744	.04 33 47
82-22-5010	6037554	1329588	2-64	4 299 18,073 3.69 667	21 13,815 3.79 523	10-69	44	753	-.02 24 39
82-26-0255	6192750	1407408	11-64	3 305 23,323 3.28 764	10 17,210 3.45 593	4-69	33	946	-.05 27 47
82-29-0122	5454752	1329494	2-61	3 305 18,523 3.48 644	7 13,973 3.60 503	4-69	32	836	-.03 26 43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
82-29-0143	6872896	1458744	4-67	1 305	21,890	3.51	768	14	17,560	3.33	584	2-70	36		908	.00	33	\$ 51
82-32-0155	6025285	1333628	3-62	5 296	17,356	3.64	631	11	14,482	3.47	503	9-69	35		627	.02	26	38
82-32-0157	6027345	1330987	5-63	4 298	15,700	3.84	603	15	13,943	3.36	468	10-69	44		523	.10	33	41
82-32-0157	6190168	1330987	6-63	4 302	15,845	3.50	555	15	13,385	3.33	446	7-69	44		603	.05	29	40
82-32-0157	7103793	1330987	5-67	1 305	16,550	3.65	604	14	12,930	3.52	455	11-69	36		607	.05	29	40
82-32-0164	6889944	1373055	11-65	2 299	20,680	3.20	661	5	12,750	3.48	444	10-69	40		1,034	-.09	24	47
82-32-9122	6289258	1395134	2-65	2 305	20,265	3.40	689	7	14,525	3.38	491	3-69	25		734	-.01	25	40
82-32-9141	6179525	1395022	9-64	3 305	19,776	3.36	665	11	15,680	3.44	539	8-69	35		751	-.04	21	37
82-32-9154	6346457	1432759	7-64	4 305	19,862	3.65	724	8	14,505	3.59	521	10-69	35		887	.02	35	52
82-33-9111	7075224	1458744	7-66	1 104	18,270	3.63	663	36	14,690	3.69	542	9-68	8 36		831	-.01	28	45
82-35-0179	6949783	1379917	3-67	1 305	19,070	3.30	630	9	12,780	3.66	468	7-69	32		947	-.05	27	47
82-35-0190	6803599	1261857	5-66	2 296	16,900	3.27	552	7	13,780	3.43	472	7-69	40		757	.04	33	47
82-35-0261	5375634	1195312	10-59	8 304	19,134	3.77	721	9	14,755	3.58	528	12-69	43		976	-.03	30	50
82-35-0261	6487763	1322863	1-66	3 303	19,913	3.29	655	14	15,707	3.43	538	1-70	39		777	-.04	22	38
82-36-0254	6488653	1271075	8-65	1 305	16,920	3.57	604	11	14,290	3.39	485	3-69	35		664	.01	25	38
82-36-5140	6642463	1441024	4-65	2 305	20,100	3.22	647	13	14,630	3.36	491	10-68	29		774	-.04	22	38
82-36-5140	6770655	1441024	5-65	2 305	22,280	3.27	728	21	14,535	3.32	483	2-69	29		1,048	-.04	32	54
82-39-0118	6032944	1199324	12-63	1 305	17,610	3.52	620	13	12,870	3.54	456	1-70	36		856	-.02	28	45
82-39-0119	4474242	1060259	12-56	8 302	20,765	4.00	831	18	14,448	3.99	576	10-69	44		1,150	.00	42	65
82-39-0119	6700720	1360676	12-66	2 292	16,495	3.93	649	20	14,640	3.91	573	1-70	38		641	.01	25	37
82-39-0119	6936581	1360676	1-67	2 305	18,130	3.46	628	20	14,545	3.91	569	1-70	38		821	-.04	24	41
82-39-0143	6923451	1406271	10-67	1 305	19,900	3.33	663	19	15,460	3.48	538	1-70	36		801	.01	31	47
82-39-0143	6934165	1477381	5-67	1 305	17,410	3.80	662	12	13,410	3.57	479	10-69	30		627	.05	30	41
82-39-5120	6653054	1223243	8-66	2 295	18,285	3.84	703	17	15,075	3.62	546	12-69	40		619	.03	26	38
82-39-5165	5714531	1199324	4-62	6 304	17,473	3.74	653	12	15,276	3.61	551	4-69	44		748	.01	28	43
82-39-5165	5943879	1282185	7-63	4 305	20,942	3.61	756	16	15,635	3.50	548	1-69	44		760	.00	28	43
82-39-5165	6168140	1330987	7-64	4 304	19,658	3.90	766	29	15,270	3.50	535	10-69	44		864	.09	45	60
82-39-5165	6198527	1330987	3-64	4 305	18,570	3.41	634	24	15,208	3.54	538	12-69	44		737	.02	29	43
82-39-5165	6590757	1242221	5-66	2 305	17,310	4.04	699	29	15,610	3.57	557	10-69	38		870	.05	39	55
82-40-0164	5975275	1199324	5-63	4 302	18,235	3.85	702	7	15,775	3.59	567	5-69	44		780	.03	32	47
82-40-0164	6027945	1199324	6-63	5 302	21,002	3.44	722	8	15,094	3.66	552	12-69	44		1,224	-.05	37	62
82-40-0204	6990890	1379917	6-67	1 303	20,100	3.36	675	7	13,030	3.45	450	12-69	32		1,011	-.03	32	53
82-40-5158	4964821	1273366	9-59	7 305	20,814	3.33	693	10	14,444	3.39	490	7-69	35		1,157	-.05	34	58
82-41-0019	6751528	1261857	4-66	2 305	16,425	4.05	666	20	12,805	3.94	504	2-70	40		798	.08	41	55
82-41-0019	6783168	1261857	5-66	1 305	17,520	3.83	671	12	14,730	3.75	553	2-69	36		684	.07	35	47
82-41-0019	6865678	1261857	5-67	1 305	15,930	4.04	644	20	13,120	3.89	510	11-69	36		673	.08	36	47
82-41-0021	5599842	1383562	4-62	5 305	16,670	3.71	618	47	13,704	3.54	485	1-70	36		630	.02	26	38
82-41-0021	6450450	1383562	1-66	2 305	19,580	3.48	682	67	14,215	3.62	514	8-69	31		848	-.02	27	44
82-41-0021	6685834	1437633	6-66	2 300	21,145	3.24	686	46	13,400	3.56	477	10-69	36		1,214	-.08	31	57
82-48-5121	6621093	1330987	9-66	1 305	19,640	3.48	684	8	15,810	3.86	611	3-69	36		644	.01	25	37
82-49-5207	6667418	1261857	7-66	2 305	18,875	3.49	658	13	16,720	3.54	592	1-70	40		689	.05	32	44
82-52-0119	6629154	1314767	5-66	2 295	18,935	3.87	732	11	15,270	3.72	568	5-69	40		579	.05	28	38
82-52-0119	6629163	1261857	10-66	1 305	18,960	3.89	737	35	14,830	3.71	550	9-68	36		785	.09	41	54
82-52-0119	7052461	1261857	1-68	1 305	19,730	3.57	705	21	15,590	3.50	546	1-70	36		791	.06	38	52
82-52-0173	6346975	1271075	11-64	3 303	20,137	3.36	676	6	15,177	3.60	547	3-69	42		1,013	-.04	30	51
82-52-0203	6569024	1422506	2-66	2 305	17,890	3.49	624	32	15,150	3.43	519	11-69	39		617	.02	25	37
82-52-0203	6805953	1301864	12-66	1 305	23,380	3.17	741	17	15,250	3.27	499	2-70	36		793	-.01	27	43
82-56-0157	4735501	1295429	8-58	2 305	20,395	3.05	623	11	14,065	3.27	460	3-69	25		803	-.06	20	37
82-56-0168	5546874	1362539	11-61	3 288	18,803	3.76	707	14	14,497	3.42	496	6-69	33		626	.09	36	46
82-58-0124	6429216	1271075	11-65	2 305	18,660	3.26	609	18	13,465	3.25	437	6-69	40		959	-.02	32	51
82-58-0124	6485840	1399850	3-66	3 283	17,566	3.12	548	16	13,590	3.19	434	4-70	41		616	.02	25	37
82-58-0124	6542293	1399850	4-66	3 280	18,363	3.22	591	18	14,073	3.20	451	2-70	41		658	.04	29	41
82-58-0137	4515809	1010936	1-58	9 305	18,537	3.40	630	7	15,442	3.19	493	10-69	44		594	.04	27	38
83-15-9100	5641941	1148087	8-62	4 290	19,015	3.85	733	19	15,675	3.29	516	1-69	43		665	.05	32	44
84-02-0006	5573462	1323005	4-62	1 305	17,440	3.51	612	96	12,560	3.45	433	1-69	26		719	.00	26	40
84-02-0006	6133929	1323005	7-64	2 305	16,420	3.35	550	82	12,575	3.49	439	3-70	31		720	-.02	23	38
84-02-0006	6376706	1450765	6-65	2 305	18,180	3.28	596	100	12,460	3.52	439	2-70	29		874	-.05	24	43
84-02-0006	6722620	1450765	5-66	1 305	17,320	3.67	635	128	11,940	3.55	424	4-69	23		686	-.01	24	38
84-02-0006	6722622	1450765	7-66	2 305	18,600	3.40	632	91	12,555	3.50	439	4-70	29		915	-.03	28	47
84-02-0006	7009376	1463175	9-67	1 305	19,570	3.30	646	92	12,530	3.54	443	2-70	31		829	-.02	27	44
84-03-0053	6323258	1222994	6-65	3 305	19,770	3.49	690	23	14,753	3.55	524	12-69	42		878	-.01	30	48
84-03-0053	6594715	1261857	8-66	2 299	21,285	3.74	795	32	15,405	3.54	546	2-70	40		1,053	.09	51	70
84-03-0053	6823283	1261857	6-67	1 214	15,490	3.85	597	25	13,470	3.65	492	8-69	36		617	.08	34	44
84-03-0053	6870440	1261857	8-67	1 305	17,030	3.73	636	21	13,240	3.71	491	9-69	36		747	.07	37	50
84-03-0053	6883382	1482198	10-67	1 305	20,130	3.29	662	22	15,770	3.63	572	3-70	26		781	-.02	25	41
84-03-0203	6593301	1222994	8-66	1 305	23,520	4.01	942	20	16,910	3.47	587	2-70	36		835	.05	38	53
84-03-0203	6658806	1222994	11-66	1 305	21,350	3.18	679	19	14,830	3.59	533	9-69	36		813	-.05	22	39
84-03-0358	6678191	1406271	8-66	1 305	20,240	3.30	668	30	15,920	3.52	561	2-70	36		795	.01	30	46
84-03-0358	6756325	1244009	1-6															

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C REPT O	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS		
84-03-9482	5991162	1320839	11-63	4 305	20,568	3.43	706	14	14,450	3.47	502	4-69	35	895	.00	32	\$ 50
84-03-9815	6232442	1406271	8-64	3 305	20,016	3.55	710	166	16,120	3.60	580	6-69	42	890	.02	35	52
84-03-9815	6876967	1473442	12-66	1 305	20,070	3.54	711	35	15,490	3.54	548	3-69	33	814	-.04	23	40
84-04-0025	6291511	1438285	6-64	4 297	17,220	3.42	589	15	14,522	3.46	503	1-70	37	807	-.03	24	41
84-04-0035	6840313	1315578	7-67	1 303	19,540	3.42	669	37	14,640	3.26	477	10-69	36	593	.09	34	44
84-04-9038	6279097	1315498	6-63	4 305	19,527	3.70	722	21	14,745	3.42	505	12-69	44	618	.03	26	38
84-04-9038	6279098	1315498	7-63	3 305	21,480	3.42	734	15	14,393	3.38	486	10-68	42	838	-.02	28	45
84-04-9038	6907863	1315578	11-66	1 305	21,590	3.66	791	23	15,690	3.40	533	12-69	36	675	.11	40	51
84-06-0085	5833261	1243697	5-63	2 305	23,655	3.39	803	5	16,055	3.20	514	3-70	40	696	.03	29	42
84-06-0090	6047567	1323005	2-64	3 204	17,213	3.46	595	6	14,343	3.41	489	2-69	34	656	.00	24	37
84-06-9007	6198633	1323005	8-64	3 305	19,363	3.82	740	19	17,443	3.55	620	4-70	34	571	.04	27	37
84-06-9012	5982833	1244009	10-63	4 305	21,875	3.33	728	44	17,110	3.57	610	12-69	44	1,040	-.08	26	49
84-06-9012	6417662	1406271	10-65	3 305	21,443	3.78	811	46	17,760	3.57	634	2-70	42	884	.06	41	57
84-06-9012	6672493	1466757	8-66	1 305	29,060	3.05	886	42	18,380	3.67	675	1-70	19	1,057	-.11	22	46
84-06-9092	6603099	1438285	7-66	2 305	21,730	3.54	769	10	15,485	3.63	562	10-69	33	1,187	-.04	37	62
84-06-9092	6648760	1446865	11-66	2 305	21,810	3.35	731	15	16,585	3.41	566	4-70	29	826	-.02	27	44
84-06-9208	4433544	1263045	4-57	4 305	20,448	3.85	787	14	15,320	3.57	547	5-69	38	808	.04	35	50
84-06-9208	5618752	1323005	5-62	5 305	20,050	3.12	625	15	14,884	3.61	538	10-68	36	1,034	-.10	23	46
84-07-9048	6418526	1450228	8-65	2 303	18,945	4.42	837	19	16,630	3.67	611	3-69	37	924	.07	44	60
84-07-9068	5594456	1189870	8-61	4 305	24,048	3.40	818	8	17,435	3.58	624	7-69	44	1,077	-.03	34	56
84-07-9068	5804260	1189870	12-62	3 295	21,217	3.57	757	17	16,823	3.83	645	12-68	42	760	-.03	23	39
84-07-9068	6200473	1406271	8-64	3 305	18,033	3.56	642	33	16,226	3.53	572	10-69	42	651	.03	28	40
84-07-9068	6418527	1450228	9-65	2 305	18,590	3.48	647	24	15,145	3.63	550	12-68	37	1,029	-.05	30	52
84-07-9068	6570463	1450228	4-66	2 305	24,185	3.36	812	16	16,580	3.49	579	12-69	37	1,487	-.06	45	76
84-07-9068	6603095	1450228	8-66	1 305	22,960	3.24	744	16	16,650	3.60	600	2-69	33	1,217	-.07	33	59
84-07-9068	6641839	1450228	10-66	2 305	23,445	3.27	767	22	16,425	3.53	580	3-70	37	1,423	-.07	40	70
84-07-9068	6641840	1450228	11-66	1 305	18,190	3.32	603	16	16,650	3.60	600	2-69	33	840	-.06	22	40
84-07-9068	6665229	1450228	12-66	1 305	20,720	3.58	741	9	18,660	3.60	672	5-69	33	897	-.03	28	47
84-07-9068	6752828	1451149	11-66	1 305	21,020	3.57	751	17	17,190	3.39	582	11-69	26	651	.00	24	37
84-07-9068	6752832	1451149	12-66	1 305	23,850	3.36	802	11	17,240	3.51	605	6-69	26	894	-.04	26	45
84-07-9068	6752839	1451149	1-67	1 305	26,170	2.98	779	17	17,190	3.39	582	11-69	26	1,099	-.09	26	50
84-07-9068	6880315	1450228	8-67	1 305	25,900	3.13	811	23	16,860	3.46	583	3-70	33	1,434	-.08	39	70
84-07-9068	6880316	1450228	10-67	1 305	19,840	3.07	609	25	16,940	3.45	585	2-70	33	950	-.08	23	44
84-07-9068	6895064	1355784	7-67	1 305	22,370	3.42	765	26	18,570	3.39	630	1-70	35	834	-.07	20	38
84-07-9075	6149914	1410449	10-64	3 305	21,843	3.77	823	33	17,760	3.42	608	3-70	32	611	.06	31	42
84-07-9075	6494141	1450228	3-66	2 305	19,885	3.42	680	28	15,905	3.72	592	7-69	37	1,094	-.06	30	53
84-07-9075	6678649	1450228	7-66	2 301	19,520	3.53	690	30	15,925	3.73	594	9-69	37	1,053	-.05	30	52
84-07-9075	6747486	1450228	1-67	1 305	20,060	3.58	718	26	16,820	3.55	597	4-69	33	975	-.03	31	51
84-07-9075	6780254	1450228	1-67	1 305	18,640	3.72	694	38	14,720	3.70	544	9-69	33	1,013	-.02	33	54
84-07-9075	6780255	1450228	1-67	1 305	19,070	3.30	629	37	15,000	3.61	542	6-69	33	1,027	-.06	28	50
84-07-9075	6822482	1450228	1-67	1 305	21,490	3.41	733	30	17,000	3.40	578	3-70	33	1,076	-.03	34	56
84-07-9075	6838336	1450228	6-67	1 305	19,150	3.85	737	38	14,720	3.70	544	9-69	33	1,053	-.01	36	57
84-07-9075	6905209	1458744	6-67	1 305	20,220	3.98	804	40	14,830	3.67	544	7-69	36	966	.02	38	57
84-07-9075	6951253	1457368	11-67	1 305	24,650	3.38	834	33	17,020	3.43	583	12-69	25	939	.00	34	53
84-08-9004	5657958	1391324	9-62	4 305	22,233	3.49	776	17	16,330	3.61	589	11-69	32	1,113	-.05	33	56
84-08-9004	6632276	1450228	8-66	2 305	24,615	3.00	738	18	15,940	3.59	572	10-69	37	1,594	-.13	38	73
84-08-9004	6675725	1450228	8-66	1 305	19,640	3.11	611	14	16,950	3.47	588	1-69	33	933	-.07	23	43
84-20-0011	6066321	1237057	1-64	3 305	22,650	3.43	777	6	15,943	3.51	559	1-70	42	1,081	-.05	31	54
84-30-0030	6632188	1450765	7-66	2 297	20,835	3.24	675	11	14,495	3.38	490	6-69	29	974	-.05	28	49
84-30-9001	4948250	1221761	10-59	5 298	21,356	3.78	808	20	15,140	3.47	526	10-68	44	1,075	.08	51	70
84-30-9001	6250554	1406271	12-64	3 305	22,523	3.26	734	28	16,943	3.40	576	5-69	42	1,093	-.01	38	60
84-30-9001	6753256	1438285	11-66	2 305	20,730	3.22	668	26	15,690	3.41	535	7-69	33	1,052	-.07	28	51
84-30-9001	6842533	1438285	2-67	1 305	21,800	3.14	684	24	15,340	3.51	538	4-69	28	1,050	-.08	26	49
84-30-9001	6842534	1438285	3-67	1 305	19,210	3.26	627	12	16,110	3.46	557	4-69	28	773	-.05	20	37
84-30-9001	6947249	1438285	8-67	1 305	19,290	2.97	573	23	14,760	3.60	532	9-69	28	882	-.10	17	37
84-30-9001	6947250	1438285	11-67	1 305	20,510	3.30	676	17	16,310	3.40	555	1-70	28	867	-.05	24	42
85-01-9001	5913172	1010936	11-63	4 305	22,175	3.31	733	12	15,555	3.47	540	7-69	44	1,016	-.02	34	55
85-01-9001	6515455	1315578	3-66	2 300	18,865	4.00	755	13	14,740	3.43	505	10-69	40	636	.15	45	54
85-01-9001	6700260	1315578	12-66	1 305	19,930	3.63	724	11	14,690	3.43	504	6-69	36	618	.10	37	47
85-01-9002	6002208	1401026	12-63	3 305	20,720	2.91	603	66	15,573	3.23	503	12-68	32	866	-.10	17	37
85-01-9002	6307185	1410126	6-64	3 305	22,480	3.13	704	72	15,663	3.16	495	7-69	32	1,095	-.05	32	55
85-01-9002	6466602	1410126	9-64	3 305	22,347	2.84	635	52	15,510	3.17	492	11-69	32	1,095	-.11	23	48
85-01-9002	6535808	010272897	7-63	3 305	21,030	3.12	656	59	15,630	3.12	487	6-69	29	794	-.03	24	41
85-01-9002	6535815	010250735	9-64	4 305	18,850	3.97	749	82	15,700	3.18	499	2-70	42	496	.17	42	48
85-01-9002	6698509	1466812	8-66	2 305	22,335	2.76	616	64	15,490	3.16	489	11-69	33	1,039	-.10	23	46
85-01-9002	7134129	1315578	4-67	1 305	20,210	3.18	643	50	14,760	3.26	481	10-69	36	634	.06	32	43
85-01-9002	7134130	1315578	6-67	2 305	19,270	3.35	645	76	15,315	3.19	489	2-70	40	624	.09	35	45
85-01-9002	7156728	1498460	11-67	1 305	22,610	2.75	621	56	14,610	3.27	478	3-70	22	931	-.10	19	40
85-01-9002	7156737	1315578	6-67	1 305	19,260	3.38	651	86	16,080	3.13	503	3-69	36	475	.10	31	38
85-01-9002	7156749	1392858	12-67	1 305	17,650	4.02											

TABLE 3. HOLSTEIN USDA-ORCA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	LAST T CALVD C REPT	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	..OOL- LARS				
85-32-9005	6895415	1315578	5-67	1 305	18,710	3.71	695	97	15,240	3.40	518	8-69	36	490	.11	34	\$ 41
85-32-9006	4313675	1060259	11-56	3 305	20,113	3.24	652	14	15,840	3.30	522	1-69	42	854	-.05	23	41
86-01-0098	7122387	1438285	2-68	1 271	17,800	3.49	621	5	14,840	3.49	518	1-70	28	750	-.03	23	39
86-01-0481	6629286	1386406	11-64	3 301	18,810	4.09	769	5	15,303	3.77	577	12-69	42	718	.06	35	48
86-01-9005	5290433	1189870	11-60	7 300	20,669	3.32	687	52	16,247	3.39	551	10-69	44	814	-.02	26	43
86-01-9005	6505610	1237057	1-66	2 291	25,210	3.06	772	53	17,050	3.41	582	12-68	40	1,157	-.11	25	51
86-01-9005	6645139	1237057	6-66	2 305	23,405	3.09	723	62	17,175	3.44	591	12-69	40	962	-.10	20	42
86-01-9005	6946194	1315578	9-67	1 305	20,370	3.41	694	63	17,140	3.37	578	10-69	36	487	.08	29	37
86-01-9005	7005424	1315578	10-67	1 280	21,070	3.54	746	72	17,470	3.39	592	11-69	36	517	.09	32	40
86-01-9022	4883706	1307744	1-59	5 305	19,268	4.12	794	66	16,694	3.49	583	3-70	32	452	.13	35	41
86-01-9022	6058504	1230610	12-63	3 296	22,037	3.26	719	60	15,997	3.48	557	11-69	34	793	-.04	23	40
86-01-9022	6065329	1330987	10-63	3 304	19,690	3.77	742	73	16,890	3.33	563	4-69	42	669	.09	38	49
86-01-9022	6165539	1419618	1-64	3 305	20,720	3.40	705	71	15,970	3.41	544	8-69	32	768	-.02	25	41
86-01-9022	6165541	1419618	2-64	4 305	22,477	3.34	750	65	17,302	3.37	583	3-70	33	892	-.03	28	46
86-01-9022	6340885	1230610	8-64	3 305	20,387	4.07	830	59	16,040	3.40	546	9-69	34	570	.13	39	47
86-01-9022	6340924	1261493	11-64	3 305	20,926	3.12	653	63	15,573	3.42	533	10-69	32	830	-.07	19	37
86-01-9022	6780909	1261493	4-65	3 305	19,783	3.65	722	53	16,066	3.42	550	7-69	32	616	.03	27	38
86-01-9022	6780911	1345230	5-65	2 305	22,960	3.29	755	63	15,840	3.40	539	9-69	30	987	-.02	32	52
86-01-9022	6780912	1345230	6-65	3 296	21,616	3.36	727	50	16,463	3.38	556	3-70	33	836	-.01	29	46
86-01-9078	4536199	1126307	12-57	4 305	19,980	3.38	675	30	14,378	3.62	520	9-69	42	740	-.03	23	38
86-01-9078	5379534	1339436	10-60	5 305	18,328	3.50	641	27	13,930	3.62	504	8-69	36	799	-.04	23	40
86-01-9078	5716665	1266352	8-62	3 305	19,767	3.45	682	21	13,933	3.54	493	4-69	32	864	-.03	27	45
86-01-9078	6332955	1244009	3-65	3 305	17,213	3.62	623	31	14,363	3.57	513	11-69	42	755	-.03	23	39
86-01-9153	5905879	1268294	7-63	4 303	21,458	3.17	680	154	16,210	3.45	559	11-69	44	917	-.09	20	40
86-01-9153	6046890	1355052	10-63	4 301	22,055	3.20	706	164	17,020	3.44	586	1-70	35	862	-.07	21	40
86-01-9153	6281736	1420657	12-64	4 291	22,457	3.30	742	143	17,157	3.41	585	1-70	34	889	-.05	25	44
86-01-9153	6450550	1390570	12-65	2 276	22,165	3.74	830	130	17,015	3.43	583	3-69	29	715	.05	33	46
86-01-9153	6462618	1390570	9-65	3 299	22,283	3.38	754	143	16,500	3.45	569	10-69	32	876	-.02	28	46
86-01-9153	6738413	1390570	10-66	2 305	21,845	3.47	757	162	16,855	3.50	590	1-70	29	694	-.01	23	37
86-01-9153	6767117	1390570	12-66	2 305	22,365	3.38	757	155	16,855	3.51	591	2-70	29	756	-.03	23	39
86-01-9153	6994940	1437633	10-67	1 305	25,340	3.32	841	200	17,190	3.49	600	1-70	32	1,092	-.07	29	52
86-01-9153	7051455	1437633	1-68	1 305	21,760	3.41	741	186	17,180	3.50	602	2-70	32	807	-.06	21	38
86-01-9169	5534458	1365701	11-61	3 305	20,017	3.47	694	79	14,383	3.46	498	4-70	32	860	-.01	30	47
86-01-9169	5612546	1285716	9-61	5 296	18,430	3.27	602	74	14,362	3.63	521	8-69	41	886	-.10	17	37
86-01-9169	5917199	010229512	1-62	4 301	21,053	3.21	675	80	14,088	3.60	507	8-69	43	973	-.01	34	53
86-01-9169	6076590	010229512	3-62	4 305	18,285	3.82	699	78	14,630	3.61	528	8-69	43	567	.09	34	43
86-01-9173	5821977	1407627	1-63	2 305	20,575	3.45	709	32	16,045	3.42	549	10-68	29	779	-.03	23	39
86-01-9173	6735878	1383311	9-66	2 292	25,860	2.76	713	30	17,020	3.26	555	2-70	40	1,158	-.13	22	48
86-01-9173	6834801	1417208	4-67	1 305	26,860	3.09	829	58	16,650	3.14	522	10-69	36	1,216	-.03	40	65
86-01-9221	6255205	1393389	11-64	2 293	21,455	3.50	751	15	17,090	3.50	598	5-69	29	705	-.02	23	37
86-01-9221	6376036	1330987	1-65	2 305	21,210	3.46	734	44	16,150	3.40	549	10-69	40	860	.04	37	53
86-01-9221	7192339	1487301	5-67	1 305	25,240	3.04	768	39	15,870	3.33	529	9-69	22	998	-.09	23	45
86-01-9323	4980070	010229512	2-57	3 305	18,777	3.38	634	138	15,060	3.41	514	6-69	42	552	.05	27	37
86-01-9323	6052023	1405612	1-64	4 300	19,877	3.19	635	125	15,507	3.39	526	11-69	34	910	-.07	22	42
86-01-9323	6089524	1405612	3-64	3 305	19,023	3.36	639	123	15,546	3.45	537	4-69	32	752	-.04	21	37
86-02-0019	6321005	1346792	1-65	1 305	24,590	2.66	653	33	14,510	2.80	407	12-69	24	1,063	-.11	22	46
86-02-0019	6859674	1366011	12-66	1 305	18,730	2.78	521	63	14,570	3.06	446	10-68	31	752	-.01	25	40
86-02-0019	6859675	1366011	4-67	1 305	16,940	3.27	554	42	14,940	2.77	414	12-69	31	579	.06	30	40
86-02-9008	5612412	1396303	8-62	6 305	19,760	3.58	707	33	15,076	3.64	549	12-69	35	720	.01	27	41
86-02-9008	5741036	1396303	2-63	5 303	20,480	3.44	705	35	14,988	3.63	544	9-69	35	840	-.02	28	45
86-02-9027	6395905	1390570	6-65	3 294	20,870	3.36	701	91	16,100	3.22	519	12-69	32	734	.00	27	41
86-02-9027	6445628	1222994	12-65	2 304	22,330	3.19	713	52	16,335	3.15	515	4-69	40	934	-.02	31	50
87-01-0994	6206535	1244009	12-64	3 305	18,170	3.40	617	49	14,830	3.45	512	7-69	42	817	-.05	22	39
87-01-0994	7247100	1473442	5-67	1 305	20,030	3.03	606	51	14,910	3.44	513	7-69	33	851	-.09	18	37
87-02-0344	6425443	1437631	3-65	2 305	20,220	3.66	740	7	15,945	3.78	603	8-69	29	752	-.01	25	40
87-02-0344	6506577	1437631	7-65	2 305	22,495	3.62	814	6	15,940	3.75	598	9-69	29	1,028	-.02	34	55
87-02-0344	6506579	1437631	7-65	2 305	23,520	3.77	886	6	17,130	3.67	628	12-69	29	1,023	.02	40	60
87-02-0700	6914155	1379917	8-67	1 305	22,030	2.79	615	7	15,020	3.60	540	10-69	32	1,022	-.11	21	44
87-02-0744	6544969	1244009	6-64	4 305	18,978	3.83	727	9	15,215	3.88	591	9-69	44	893	-.03	28	46
87-03-0027	6387174	1223243	3-65	3 305	18,227	3.30	601	25	13,133	3.46	455	10-69	42	855	-.04	25	43
87-03-0172	5887920	1199324	10-62	5 302	18,080	3.56	644	16	14,096	3.80	536	7-69	44	963	-.04	29	49
87-03-0261	6661812	1398216	4-66	2 291	22,265	3.40	758	5	16,365	3.43	561	4-69	40	940	-.05	27	47
87-03-0261	6661813	1417208	6-66	3 305	20,780	3.84	797	5	16,560	3.57	591	2-70	42	910	.05	40	57
87-03-0273	5041311	1329494	1-60	7 301	18,923	3.43	650	18	14,607	3.64	532	11-68	35	870	-.04	26	44
87-03-0273	5968821	1398481	11-63	3 301	19,497	3.71	724	12	14,220	3.80	541	8-69	31	796	.01	30	46
87-03-0273	6711305	1430368	9-66	2 305	21,235	4.11	873	5	15,235	3.74	570	8-69	29	779	.10	43	56
87-03-0287	5817272	1387911	1-63	4 305	20,323	3.92	797	21	16,328	3.71	605	11-69	30	644	.05	31	42
87-03-0287	6428375	1399850	11-65	2 305	23,580	3.80	895	14	17,365	3.69	641	3-69	39	839	.07	41	56
87-03-0341	6979253	1261857	2-67	1 305	16,650	3.99	664	13	14,380	3.45	496	3-69	36	643	.11	39	49
87-03-0794	6026743	1244009	10-63	2 300	20,205	3.47	702	9	15,985	3.82	611	10-69	40	887	-.07		

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT (LBS)	..HEROMATE AVERAGES.. NO. MILK (LBS) FAT (%) FAT (LBS)	LAST T CALVO C MO-YR OC O W C R E P T (%) MILK (LBS) FAT (%) FAT (LBS)	I N D E X..... FAT (LBS) OOL- LARS
87-03-9223	6706840	1477381	7-66	2 305 24,090 3.40 819	60 17,135 3.55 609	1-70	35 1,089 .00 39 \$ 61	
87-03-9223	6863430	1239242	4-67	1 305 22,430 3.53 792	56 16,510 3.47 573	7-69	36 744 -.01 26 41	
87-03-9223	6978482	1294552	11-67	1 305 24,480 3.15 772	57 17,350 3.55 616	12-69	25 855 -.08 19 38	
87-03-9316	5760918	1199324	12-62	5 305 20,204 3.76 760	31 15,804 3.73 589	11-69	44 1,039 .00 37 58	
87-03-9316	6851113	1389471	4-66	2 305 20,955 3.67 769	30 15,890 3.81 605	7-69	40 759 -.04 21 37	
87-03-9559	6891934	1425137	7-67	1 305 22,130 3.52 779	6 14,110 3.41 481	4-70	36 674 -.01 23 37	
87-03-9566	5629546	1223243	7-62	2 305 27,785 3.75 1041	9 15,820 3.62 573	2-69	40 1,519 .02 58 88	
87-03-9625	6920304	1261857	4-67	1 305 19,930 4.13 823	11 16,870 3.50 591	5-69	36 720 .12 44 55	
87-06-0058	5949736	1244009	9-63	3 303 19,520 3.60 703	16 14,713 3.63 534	6-69	42 984 -.04 30 50	
87-06-0058	6618236	1406271	7-65	2 299 18,225 3.67 669	8 16,045 3.47 557	11-69	40 674 .05 32 44	
87-06-0058	6869590	1406271	9-65	3 293 19,860 3.68 731	10 14,840 3.38 501	2-70	42 1,004 .07 46 64	
87-06-0917	7250281	1261857	3-67	1 305 15,520 3.76 583	12 13,900 3.51 488	12-69	36 591 .08 33 43	
87-06-9060	4228814	1024453	2-56	8 303 18,288 4.19 767	6 14,471 3.82 553	5-69	44 603 .07 32 42	
87-06-9060	6812251	1242221	2-67	1 305 18,130 3.88 704	6 14,480 3.85 558	1-70	34 1,007 .00 37 57	
87-18-0187	6997358	1330987	10-67	1 305 21,670 3.06 664	27 15,000 3.53 529	1-70	36 850 -.01 29 46	
87-18-0886	6059284	1223243	2-64	4 296 20,318 3.49 710	13 16,285 3.36 547	9-69	43 795 .01 30 46	
87-18-9927	5923348	1294703	3-63	3 301 19,267 3.13 603	6 15,223 3.26 496	6-69	42 869 -.06 22 41	
87-20-0455	7041941	1458744	4-67	1 305 18,060 3.77 681	19 14,050 3.62 508	8-69	36 858 .01 32 49	
87-20-0845	6233826	1431337	8-64	4 305 22,815 3.31 755	16 15,743 3.49 550	11-69	35 1,166 -.07 32 57	
87-22-9061	7164443	1473442	9-67	1 305 24,210 2.92 708	16 18,060 3.36 607	1-70	33 956 -.10 19 41	
87-25-0295	6305368	1416897	1-65	1 150 20,640 3.27 675	17 14,790 3.48 515	4-69	8 35 767 -.04 22 38	
87-25-0295	6609782	1311429	4-66	1 269 22,390 3.29 737	27 14,830 3.66 543	12-68	8 36 1,078 -.11 22 46	
87-25-0305	6376307	1222994	8-65	2 305 22,065 3.21 709	18 15,155 3.54 537	3-69	40 1,015 -.05 29 50	
87-25-0611	6792642	1477381	1-67	1 305 21,100 2.84 600	9 15,480 3.13 485	10-69	30 778 -.02 25 41	
87-25-0614	6687613	1261857	7-66	2 271 18,825 3.53 664	9 15,445 3.69 570	2-70	40 800 .04 35 50	
87-25-0862	6303867	1415455	4-65	3 305 17,590 3.70 650	23 13,833 3.57 494	12-69	38 853 .04 36 52	
87-25-0862	6587691	1452607	10-65	2 305 21,085 3.06 646	15 14,410 3.46 498	5-69	36 1,131 -.08 29 53	
87-25-0862	6886134	1480989	3-67	1 305 19,220 3.34 641	13 14,640 3.28 480	1-70	28 805 .00 29 45	
87-25-0938	6304625	1242221	12-64	4 287 17,100 3.40 581	19 15,030 3.54 532	12-69	42 914 -.03 29 48	
87-25-0938	6619654	1261857	6-66	1 305 17,310 3.47 601	21 14,190 3.64 516	9-68	36 705 .05 33 46	
87-25-9076	5872078	1417720	3-63	4 305 21,722 3.26 708	93 14,700 3.49 513	9-68	39 1,271 -.07 35 62	
87-25-9076	6083440	1417720	2-64	3 305 19,320 2.92 565	96 14,336 3.49 501	8-69	37 958 -.12 17 39	
87-25-9076	6202497	1417720	3-64	3 305 20,966 3.34 701	96 14,980 3.43 514	11-68	37 1,092 -.05 32 55	
87-25-9076	6969134	1347940	8-67	1 305 18,960 3.19 605	132 14,490 3.49 505	10-69	36 907 -.04 27 46	
87-25-9076	6969135	1347940	8-67	1 305 16,260 3.58 582	132 14,490 3.49 505	10-69	36 706 .00 25 39	
87-25-9076	6969137	1347940	10-67	1 305 19,450 3.56 693	104 15,350 3.44 528	11-69	36 886 .00 32 50	
87-25-9076	6969138	1347940	10-67	1 305 20,240 3.08 623	101 15,590 3.38 527	12-69	36 928 -.04 27 46	
87-25-9076	6969139	1347940	10-67	1 305 18,530 3.41 631	68 16,200 3.29 533	2-70	36 760 .00 27 42	
87-25-9076	6969140	1347940	10-67	1 305 19,420 3.18 617	87 15,920 3.33 530	1-70	36 845 -.03 26 44	
87-25-9076	6969141	1347940	10-67	1 305 23,420 3.24 758	87 15,920 3.33 530	1-70	36 1,143 -.03 37 60	
87-25-9076	6969143	1347940	11-67	1 305 18,190 3.21 583	87 15,920 3.33 530	1-70	36 754 -.02 24 39	
87-25-9084	5546753	1386841	12-61	5 305 22,672 3.16 716	16 14,416 3.46 499	2-69	40 1,416 -.10 35 66	
87-25-9430	6205912	1321985	10-64	4 301 22,213 3.19 708	8 16,528 3.33 551	9-69	43 756 -.04 22 38	
87-25-9430	6335559	1283917	11-64	4 305 21,885 3.37 737	10 17,212 3.36 578	12-69	44 864 -.08 20 39	
87-25-9487	6879551	1199324	6-67	1 301 21,440 3.60 771	17 15,900 3.47 552	10-69	36 938 -.01 33 52	
87-25-9487	7113723	1311429	6-67	1 305 22,580 3.18 718	16 15,960 3.51 560	10-69	36 1,016 -.12 19 42	
87-25-9924	4939727	910991	8-59	3 305 20,923 3.64 762	11 14,483 3.93 569	5-69	42 826 -.03 26 43	
87-25-9924	6762520	1399850	8-66	2 305 20,600 3.88 799	17 14,895 3.87 577	10-69	39 761 .06 37 50	
87-25-9924	6934166	1477381	8-67	1 305 20,820 3.59 748	16 16,100 3.76 605	1-70	30 708 .02 28 42	
87-26-0299	6923047	1434468	2-67	1 305 18,860 3.59 678	30 12,280 3.39 416	7-69	24 849 .02 27 39	
87-26-0658	5913742	1237057	11-63	4 304 20,688 3.42 708	10 16,568 3.61 598	4-70	44 821 -.07 20 38	
87-26-0658	6353948	1199324	3-65	3 305 18,736 3.21 601	22 15,560 3.62 563	9-69	42 848 -.07 20 39	
87-26-0658	6896980	1458744	10-67	1 305 19,800 3.35 663	9 16,380 3.54 580	12-69	36 831 -.03 26 43	
87-26-0722	6437200	1244845	3-65	3 299 20,063 3.46 694	24 14,683 3.60 528	3-69	42 847 -.05 23 41	
87-26-0755	6946842	1199324	8-66	2 305 21,850 3.39 741	20 16,575 3.43 569	3-70	40 1,042 -.03 33 54	
87-27-9942	6251752	1212173	9-64	3 305 19,587 3.49 684	18 14,967 3.74 560	12-68	42 685 -.01 23 37	
87-29-0074	6282568	1433907	10-64	2 304 21,010 3.42 719	11 13,505 3.65 493	12-68	25 944 -.03 29 49	
87-29-0575	6816953	1282936	6-65	2 299 20,870 3.67 765	19 16,325 3.50 571	12-68	40 727 .01 28 42	
87-29-0575	7188222	1422506	11-67	1 305 25,590 3.26 834	16 17,120 3.58 613	2-70	35 1,015 -.03 32 53	
87-29-0655	4933631	1049402	11-58	4 303 20,738 3.74 775	6 16,403 3.63 596	8-69	43 678 .02 27 40	
87-29-0946	6334818	1271075	9-63	4 302 17,823 3.69 657	11 13,828 3.83 529	10-69	43 906 -.01 31 49	
87-29-9499	6087320	1424901	1-64	4 305 21,712 3.52 765	15 16,502 3.61 595	6-69	35 982 -.02 33 53	
87-29-9499	6120910	1435690	2-64	4 303 17,987 4.21 757	24 16,405 3.75 615	8-69	35 404 .12 32 37	
87-29-9499	6120913	1435690	4-64	3 305 20,880 4.17 870	20 17,813 3.72 663	8-69	33 606 .12 40 49	
87-29-9499	6120919	1435690	7-64	3 305 19,666 4.14 815	24 16,053 3.74 601	9-69	33 655 .11 40 50	
87-29-9499	6496415	1435690	11-65	2 305 18,660 4.27 796	25 16,305 3.76 613	8-69	30 457 .12 34 40	
87-29-9499	6575012	1451379	7-65	2 305 25,090 3.44 863	35 18,425 3.73 688	1-70	31 991 -.05 28 49	
87-29-9712	6390633	1330987	11-64	3 302 17,723 4.21 746	18 16,053 3.71 595	11-69	42 529 .11 35 43	
88-01-9004	5835947	1222994	1-63	5 303 20,052 3.69 739	7 14,832 3.84 569	5-69	44 966 -.01 33 52	
88-01-9020	6201734	1259069	8-64	3 300 20,373 3.55 724	17 15,030 3.57 537	2-70	42 778 -.03 24 40	
88-01-9025	6803383	1417208	1-67	2 305 19,880 3.72 740	13 16,500 3.58 590	3-70	40 777 .03 32 47	
88-01-9025	6861369	1417208	1-67	2 284 20,295 3.36 681	25 16,270 3.58 583	12-69	40 840 -.02 27 44	
88-02-0004	5718579	1223243	4-61	5 305 18,684 3.51 656	20 13,866 3.45 479	6-69	44 888 -.01 31 49	
88-03-9003	6860611	1438758	5-67	1 305 21,870 3.34 730	8 13,930 3.70 516	6-69	35 1,023 -.11 21 44	
88-16-9005	6101767	1409709	6-64	4 302 21,282 3.54 753	13 15,785 3.32 524	10-69	34 913 .03 37 54	
88-16-9007	6577453	1242221	5-66	1 305 24,130 3.05 737	9 17,080 3.43 585	10-68	34 1,289 -.06 38 65	
88-16-9007	6616401	1466747	7-66	1 305 23,830 3.62 863	6 15,920 3.52 560	12-		

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES... FAT FAT (%) (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	I N D E X..... MILK (L8)	FAT (%)	FAT (L8)	..OOL- LARS
91-12-0017	6121144	1212173	5-64	3 305	20,187	3.71	748	8 16,330	3.51 573	4-70	42	613	.05	29	\$ 40
91-12-0017	6400490	1237057	11-65	3 295	20,457	3.35	685	7 15,600	3.60 561	10-69	42	866	-.08	20	37
91-12-0027	5965836	1237057	5-63	4 305	20,883	3.53	737	45 14,188	3.55 504	8-69	44	1,110	-.04	34	57
91-12-0049	4312582	1060259	4-56	6 305	22,568	3.24	745	14 14,977	3.61 540	3-69	44	1,373	-.09	35	65
91-12-0130	5889794	1271075	8-63	4 305	18,695	3.76	702	156 16,153	3.70 597	11-69	43	754	.01	29	44
91-12-0130	5889795	1271075	8-63	4 305	21,093	3.74	789	114 16,835	3.66 616	4-70	43	976	.01	37	56
91-12-0130	6439928	1476741	11-65	2 305	20,905	4.02	840	195 17,005	3.65 620	11-69	29	464	.09	30	37
91-12-0131	6595979	1420394	7-66	2 305	19,545	3.57	698	25 17,320	3.61 625	12-69	29	694	-.01	23	37
91-12-0131	7199473	1377954	4-67	2 305	24,305	3.74	908	20 17,410	3.62 631	1-70	40	1,084	.04	45	65
91-12-0143	5781294	1239242	12-62	3 305	19,590	3.78	741	10 14,157	3.63 514	6-69	42	886	.01	34	51
91-12-0143	5920315	1239242	9-63	3 305	21,043	3.55	746	15 14,010	3.68 515	9-69	42	1,068	-.02	35	57
91-12-0143	6566172	1454720	12-65	2 303	18,645	3.44	642	15 14,535	3.68 535	7-69	35	692	-.01	23	37
91-12-0143	6932887	1242221	11-67	1 305	16,560	3.50	579	33 13,960	3.72 519	1-70	34	922	-.02	31	50
91-12-5021	6076548	1237057	6-63	3 303	19,430	3.54	688	18 15,613	3.50 546	4-69	42	745	-.03	22	38
91-12-5117	6206845	1420394	1-64	4 302	18,055	3.64	658	43 15,400	3.55 547	9-69	34	771	.01	29	44
91-12-5117	6547301	1446791	5-66	2 305	20,280	3.54	717	46 15,760	3.57 562	12-69	30	738	-.02	23	38
91-12-5117	6547307	1420394	4-66	1 305	18,620	3.68	686	33 15,660	3.72 583	9-69	24	703	-.01	24	38
91-12-5117	6547308	1420394	4-66	2 305	20,075	3.58	719	51 16,210	3.53 573	1-70	29	877	.00	31	48
91-12-5117	6547309	1420394	5-66	1 305	19,100	3.66	699	51 16,570	3.63 602	12-69	24	673	-.01	23	37
91-12-5117	6562395	1420394	2-66	1 294	18,950	3.57	676	36 14,960	3.55 531	5-69	24	789	-.01	27	43
91-12-5117	6567506	1420394	7-66	1 305	19,340	3.57	690	30 15,480	3.66 567	7-69	24	782	-.02	25	41
91-12-5117	6580747	1420394	6-66	1 305	23,240	3.33	773	35 15,090	3.61 544	6-69	24	1,162	-.05	35	59
91-12-5117	6595977	1222994	7-66	1 305	21,690	3.37	730	49 15,980	3.70 592	10-69	36	761	-.04	22	38
91-12-5117	6633477	1261857	10-66	1 305	18,060	3.52	635	52 15,930	3.44 548	1-69	36	644	.07	33	44
91-12-5117	6770338	1468937	11-66	2 302	20,640	3.31	684	52 16,135	3.55 573	1-70	35	903	-.05	25	44
91-12-5117	6976969	1261857	8-67	1 305	19,960	3.49	697	48 17,070	3.60 615	2-70	36	709	.05	33	46
91-26-0002	6191252	1244009	8-64	2 305	18,835	3.14	592	48 13,105	3.65 478	12-68	40	1,011	-.10	22	44
91-26-0002	6772263	1261857	10-66	1 305	17,840	3.48	620	81 14,140	3.61 510	5-69	36	747	.05	35	48
91-28-5072	4930202	1274971	4-59	3 305	21,070	3.52	742	17 16,533	3.56 588	2-70	33	726	-.01	25	40
91-28-5072	5920256	1396355	2-63	5 305	21,078	3.34	703	42 16,760	3.41 572	2-70	39	950	-.06	25	45
91-28-5072	6103480	1396355	1-64	3 305	20,296	3.01	611	30 15,096	3.46 523	8-69	36	981	-.12	17	40
91-34-0006	6410162	1416897	7-65	3 302	18,426	3.57	657	32 14,586	3.74 545	1-70	41	740	-.03	22	37
91-34-0006	6929628	1383004	8-67	1 305	20,560	3.80	782	24 15,100	3.66 552	2-70	36	410	.13	33	38
91-34-0012	5475659	1090981	9-61	2 305	19,655	3.85	757	17 15,155	3.71 562	11-69	40	648	.01	25	38
91-34-0013	5964825	1244009	10-63	3 305	21,160	3.62	765	46 17,377	3.58 622	1-69	42	897	-.03	28	47
91-34-0013	6647555	1222994	6-66	1 305	22,210	3.64	808	44 17,620	3.59 632	9-68	36	690	.00	25	39
91-34-0013	7083489	1491000	1-68	1 305	23,340	3.13	731	22 18,830	3.35 631	2-70	26	889	-.07	21	40
91-34-0067	6136910	1383912	8-64	4 297	21,920	3.62	793	26 16,785	3.53 592	1-70	35	749	.02	30	44
91-34-0067	6252555	1292670	10-64	2 305	23,695	3.07	727	34 16,430	3.54 581	10-68	30	970	-.12	17	39
91-34-0074	6679853	1320371	10-66	2 305	20,930	3.75	785	8 16,055	3.59 577	3-70	40	760	.02	30	45
91-34-0117	6207290	1307195	8-64	3 301	19,313	3.59	693	13 15,303	3.69 564	2-70	42	667	.00	24	37
91-34-0117	6811217	1416472	12-66	1 305	22,000	3.81	839	13 14,190	3.85 546	11-69	19	745	.01	29	43
91-34-0117	6830833	1261857	3-67	1 305	18,810	3.76	707	20 14,510	3.73 541	8-69	36	795	.07	39	53
91-34-0117	6970225	1261857	8-67	1 305	16,650	4.16	692	20 14,510	3.73 541	8-69	36	634	.10	38	48
91-34-0117	7035227	1261857	11-67	1 305	22,700	3.92	889	15 14,100	3.95 557	3-70	36	1,112	.07	51	71
91-34-0148	6116878	1244009	8-63	2 305	19,180	3.60	691	26 15,970	3.52 562	11-68	40	784	-.03	24	40
91-34-5002	5089238	1010936	1-60	4 305	21,445	4.22	904	27 15,580	3.77 587	2-69	44	923	.11	50	65
91-34-5002	5591615	1349680	2-62	5 305	22,800	3.33	759	15 16,192	3.61 584	3-70	43	743	-.04	21	37
91-34-5002	6256940	1087974	10-64	2 305	21,950	3.84	842	41 15,345	3.66 561	9-68	40	1,045	.03	42	62
91-34-5181	5130964	1309948	7-60	6 294	19,318	4.34	838	19 17,393	3.62 629	11-69	43	513	.11	35	42
91-34-5181	5758635	1383004	12-62	5 305	20,672	3.58	741	37 16,416	3.75 615	12-69	44	576	.07	31	41
91-34-5181	5927099	1242221	11-63	3 305	19,787	3.52	697	37 16,503	3.76 621	9-68	41	1,070	-.03	34	56
91-34-5181	6137659	1242221	7-64	3 305	21,440	3.54	760	44 16,843	3.69 622	7-69	41	1,230	-.02	41	66
91-34-5181	6745306	1386406	1-67	1 305	21,780	3.54	770	43 16,920	3.64 616	5-69	36	713	.00	26	40
91-38-0027	6792127	1330987	9-66	2 305	19,405	3.70	718	18 16,470	3.82 629	10-69	40	647	.03	28	40
91-38-5030	5850188	1233005	4-63	4 305	21,448	3.59	769	15 15,670	3.69 578	3-70	43	918	-.02	30	49
91-40-0019	6547298	1446791	8-65	2 255	20,020	3.06	612	10 14,580	3.36 490	2-69	8 30	833	-.07	19	37
91-42-0004	6889788	1377954	1-67	1 305	17,510	3.29	576	17 12,530	3.60 451	6-69	36	732	-.01	25	40
91-42-0017	6676827	1261857	9-66	1 305	20,330	3.21	652	51 14,490	3.65 529	10-68	36	909	.02	36	53
91-42-5016	5889798	1271075	9-63	4 305	18,823	3.61	680	24 16,710	3.54 591	9-69	43	708	.00	26	40
91-42-5016	6697151	1239242	9-66	2 305	21,530	3.51	756	19 17,255	3.54 610	12-69	40	735	-.01	25	40
91-42-5062	5034835	1090981	11-59	2 305	22,305	3.31	738	31 16,640	3.53 587	8-69	40	781	-.05	21	38
91-42-5062	5499968	1144239	6-61	4 301	25,203	3.22	811	24 16,983	3.49 593	11-69	44	1,034	-.10	22	45
91-54-0085	6202341	1356103	12-64	2 305	24,075	3.30	794	18 17,395	3.54 616	1-70	33	969	-.07	25	46
91-54-5072	5462947	1090981	3-61	3 305	23,357	3.12	728	52 16,010	3.53 565	5-69	42	1,041	-.09	24	47
91-54-5072	6687851	1010936	10-66	1 305	23,080	3.46	799	78 17,370	3.63 630	12-68	36	652	.00	24	37
91-54-5110	5689795	1380040	7-62	4 305	20,368	3.10	632	48 15,730	3.45 542	12-68	35	989	-.12	18	41
91-54-5110	5940020	1396355	12-63	3 305	21,806	3.02	658	25 15,520	3.39 526	6-69	36	1,124	-.12	23	48
91-54-5110	6097255	1396355	1-64	4 303	19,737	3.36	663	11 15,715	3.33 524	7-69	37	867	-.04	25	43
91-58-0095	5883797	1271075	7-63	2 305	17,460	3.75	654	35 15,775	3.56 562	10-69	40	625	.02	25	37
91-58-0095	6528991	1276654	10-65	2 305	18,830	4.28	806	40 15,315	3.62 555	9-69	40	516	.08	30	38
91-58-0122	6823972	1277619	3-67	1 304	24,560	3.46	851	6 15,960	3.70 590	11-69	36	834	-.06	21	39
91-58-0197	6047655	1385225	4-64	2 305	20,610	3.45	712	26 17,060	3.69 629	5-69	38	717	-.03	22	37
91-58-0197															

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS		
91-58-5119	5126726	010203807	2-60	3 305	21,510	4.32	929	8	16,260	3.59	583	10-69	33	802	.15	51	\$ 63
91-58-5119	6492915	1406271	10-65	2 305	23,170	3.19	740	7	15,465	3.77	583	2-69	40	1,229	-.05	36	62
91-58-5119	6635581	1406271	5-66	2 305	19,435	3.38	656	7	16,850	3.66	617	10-69	40	723	-.01	25	40
91-58-5132	566273	1380550	7-62	3 305	19,997	3.90	779	33	15,040	3.59	540	6-69	42	533	.08	31	40
91-58-5132	6907623	1483722	7-67	1 305	25,620	2.92	747	48	14,820	3.74	555	10-69	23	1,260	-.15	23	52
91-58-5132	6907624	1483722	8-67	1 305	21,030	3.41	717	48	14,820	3.74	555	10-69	23	845	-.07	20	39
91-62-0009	6242166	1271075	1-65	3 305	21,150	3.52	745	50	18,117	3.58	648	9-69	42	822	-.01	28	45
91-62-0009	6747296	1261857	8-66	2 305	21,055	3.69	776	74	17,145	3.67	629	1-70	40	871	.06	41	57
91-62-0021	6690230	1222994	8-65	2 305	21,705	2.93	635	54	16,585	3.36	557	11-68	40	848	-.08	19	38
91-62-0021	6876693	1261857	5-66	1 305	20,240	4.07	824	48	16,810	3.44	579	6-69	36	747	.12	45	57
91-62-0021	6876694	1261857	5-66	2 298	18,935	3.31	627	54	17,090	3.27	559	2-70	40	661	.06	32	44
91-62-0021	6876695	1261857	1-67	1 305	20,230	3.33	673	52	17,200	3.24	558	1-69	36	720	.06	35	48
91-62-0032	6169664	1199324	4-64	2 305	20,665	4.08	844	10	19,025	3.35	638	12-68	40	698	.09	38	50
91-62-0032	6303939	1417208	6-64	4 305	22,537	3.52	794	12	18,552	3.38	627	3-70	44	934	.02	37	55
91-62-0032	6888617	1330987	11-66	1 305	20,360	3.47	707	8	17,800	3.37	600	5-69	36	564	.05	27	37
91-62-0209	5569136	1336196	12-61	1 305	20,410	4.06	829	34	14,180	3.55	503	10-68	25	658	.07	34	45
91-62-5001	5941308	1399228	8-63	5 305	19,030	3.41	649	79	14,924	3.50	523	11-69	36	711	-.02	23	38
91-62-5001	6470604	1440227	11-65	2 305	21,680	3.27	708	53	14,645	3.44	504	6-69	25	899	-.04	26	45
91-62-5002	5668169	1384292	6-62	4 302	22,043	3.05	673	71	16,790	3.34	561	7-69	33	1,020	-.09	23	46
91-62-5002	5966603	1307195	7-63	4 301	22,418	3.07	689	72	18,033	3.30	595	3-69	43	777	-.05	21	38
91-62-5002	6922459	1485378	9-67	1 305	20,760	3.37	700	106	16,260	3.49	567	1-70	24	712	-.02	23	38
91-62-5107	5079623	1295803	11-59	5 305	19,378	3.83	742	9	15,410	3.54	545	3-69	39	574	.07	31	41
91-62-5209	6501364	1297472	5-65	3 305	19,403	3.76	729	25	15,223	3.61	550	9-69	41	591	.05	29	39
91-62-5220	4383182	1203206	11-56	4 305	19,593	3.28	643	42	15,130	3.39	513	8-69	37	879	-.07	22	41
91-64-0133	7027482	1261857	9-67	1 305	22,530	3.68	829	29	17,580	3.50	616	12-69	36	866	.08	43	58
91-66-0019	4840584	1090981	9-59	3 305	19,830	3.44	682	26	14,607	3.69	539	2-69	42	781	-.05	21	38
91-66-0019	4840585	1090981	10-58	5 305	18,966	3.47	659	32	13,878	3.70	514	10-68	44	822	-.05	23	40
91-68-0094	4857168	1276153	1-59	8 299	18,225	3.36	613	5	14,015	3.48	488	11-69	37	767	-.05	20	37
91-68-5060	6567817	1297472	2-66	2 293	23,110	3.97	917	7	18,135	3.47	629	1-70	39	649	.11	39	49
91-70-0005	6380123	1439164	3-65	3 299	18,750	3.71	696	18	13,820	3.57	493	7-69	36	798	.04	34	49
91-70-0029	5112572	1175471	7-60	3 295	18,643	3.73	695	16	14,637	3.76	550	10-69	42	600	.04	27	38
91-70-0043	6847042	1495881	5-67	1 305	18,920	3.55	671	7	13,100	3.25	426	5-69	26	936	.01	35	53
91-70-5017	6073468	1385225	9-63	4 305	20,045	3.28	658	15	16,025	3.39	543	6-69	41	833	-.03	26	43
91-70-5030	6138113	1416897	9-64	4 298	17,212	3.61	621	20	13,575	3.62	492	3-70	42	731	-.02	24	39
91-72-5020	5603619	1370898	4-62	5 297	20,004	3.65	730	70	15,576	3.43	535	2-70	35	776	.03	32	47
91-72-5020	6501276	1438332	11-65	3 293	22,196	2.87	637	89	16,870	3.39	572	2-70	40	993	-.14	15	38
91-72-5020	6590182	1469741	7-66	2 301	23,100	4.15	959	78	17,005	3.43	583	10-69	29	818	.15	51	64
91-74-0004	6306074	1222994	11-64	4 276	17,033	3.86	657	7	13,928	3.56	496	1-70	44	668	.04	30	42
91-74-0017	6478051	1440035	9-65	2 305	19,385	3.45	668	20	14,635	3.55	520	5-69	30	749	-.04	21	37
91-74-0030	5331206	1228022	1-61	5 299	16,464	3.36	554	17	13,710	3.71	509	8-69	44	904	-.10	18	38
91-74-0030	6286508	1212173	2-65	2 305	19,200	3.62	695	20	14,365	3.70	532	4-69	40	642	.01	25	37
91-74-0150	5878885	1199324	11-62	5 261	22,272	3.97	884	10	16,326	3.83	626	1-70	44	1,245	.03	49	73
91-74-0169	6558702	1357743	5-66	2 305	22,020	3.98	877	12	16,020	3.88	621	3-70	40	750	.01	28	43
91-74-0175	6558690	1330987	4-66	2 305	18,285	3.87	708	12	15,425	3.79	584	9-69	40	629	.06	31	42
91-74-0180	6516693	1435093	5-64	4 296	21,525	3.45	742	11	15,243	3.89	593	12-69	30	975	-.07	24	45
91-74-0186	5009453	1153997	9-59	7 305	23,276	3.34	778	11	14,779	3.61	534	1-69	44	1,198	-.07	32	58
91-74-0194	6095472	1199324	12-62	3 293	19,610	3.46	678	9	17,336	3.45	598	7-69	8 42	765	-.02	25	41
91-74-0204	6558687	1330987	3-66	2 276	19,160	3.14	602	7	13,675	3.67	502	10-69	40	878	-.03	27	45
91-74-0208	6821983	1261857	4-67	1 305	24,730	4.41	1091	6	17,890	3.77	674	7-69	36	1,009	.15	59	75
91-74-0222	6017626	1330987	1-64	4 305	23,715	3.57	846	8	17,953	3.56	639	1-70	44	1,067	.04	44	64
91-74-0222	6351429	1199324	11-64	2 305	21,360	3.57	763	7	18,725	3.59	672	12-69	40	796	-.02	26	42
91-74-5002	6009618	1391856	7-63	3 296	18,280	4.03	737	13	13,997	3.69	517	6-69	8 31	625	.06	31	42
91-74-5047	6645935	1307195	10-66	1 305	21,250	3.68	782	32	14,970	3.95	591	6-69	35	685	.00	24	38
91-74-5047	6759380	1330987	9-65	3 300	17,627	3.92	691	21	15,833	3.72	589	1-70	42	541	.07	29	38
91-74-5047	7004812	1416897	7-66	1 305	21,370	3.65	779	45	15,160	3.88	588	12-68	35	798	-.03	25	41
91-78-0005	6099059	1271075	7-64	4 305	18,225	3.64	663	53	15,493	3.60	557	3-70	43	770	.00	28	43
91-78-0005	6118844	1244009	8-64	3 305	17,917	3.61	647	71	14,487	3.66	530	9-68	42	824	-.04	24	41
91-78-0005	6118853	1455661	8-64	3 305	21,466	3.37	723	41	15,880	3.58	569	3-70	32	902	-.05	25	44
91-78-0005	6380240	1330987	5-65	3 305	19,180	3.60	691	55	15,517	3.62	562	2-70	42	752	.03	32	46
91-78-0005	6558293	1464107	7-65	1 305	23,200	3.73	866	52	15,300	3.69	564	11-68	26	800	.02	32	47
91-78-0034	6258386	1464107	11-64	3 305	16,760	3.51	588	20	12,306	3.44	423	8-69	34	656	.01	25	38
91-78-0119	6378017	1406271	10-65	3 305	18,816	3.60	678	14	13,906	3.67	511	3-70	42	981	.02	39	58
91-78-0132	5428961	1382556	10-61	3 305	19,560	3.73	729	7	15,530	3.54	549	9-68	31	597	.04	28	39
91-78-5140	6212349	1199324	6-64	3 305	17,566	3.68	646	50	15,780	3.63	573	9-69	42	691	-.01	24	38
91-78-5140	6642745	1458744	8-66	1 305	17,930	3.43	615	40	16,350	3.46	565	3-69	36	694	-.01	23	37
91-78-5140	6642747	1458744	9-66	1 305	19,390	3.35	650	40	16,350	3.46	565	3-69	36	803	-.02	26	42
91-78-5140	6642750	1458744	9-66	1 305	19,180	3.50	672	40	16,350	3.46	565	3-69	36	787	-.01	27	43
91-78-5140	6642751	1458744	10-66	1 305	18,480	3.49	645	40	16,350	3.46	565	3-69	36	735	-.01	25	40
91-78-5140	6642752	1458744	10-66	1 305	16,940	3.56	603	49	14,930	3.57	533	7-69	36	715	-.01	24	38
91-78-5140	6661535	1458744	6-66	1 305	20,580	3.21											

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..OOL- LARS	
92-13-0062	6635131	1458744	7-66	1 305	18,320	3.71	679	80	14,860	3.67	546	5-69	36	823	.00	29	\$ 45
92-13-0062	6799540	1458744	11-66	1 305	17,970	3.86	693	80	14,860	3.67	546	5-69	36	797	.01	30	46
92-16-0060	6624564	1451637	7-66	2 305	20,175	3.04	613	14	13,565	3.45	468	3-70	29	999	-.09	22	44
92-16-0060	6624565	1451637	7-66	1 299	19,080	3.10	592	30	11,990	3.44	413	9-69	23	845	-.06	21	39
92-16-0076	4344729	1060259	11-56	9 299	19,249	3.47	667	21	16,103	3.52	567	5-69	44	762	-.04	22	38
92-18-0027	5947919	1271075	8-63	3 305	16,887	4.32	729	15	14,870	3.78	562	3-70	42	666	.08	35	46
92-18-0027	5947920	1271075	10-63	3 305	17,590	4.27	751	15	15,290	3.83	585	10-68	42	704	.07	35	47
92-18-0051	6287313	1235822	1-65	3 305	20,293	3.65	740	14	14,667	3.55	521	2-70	41	775	.04	34	48
92-20-0033	5562883	1265645	4-62	4 305	18,398	3.89	715	33	14,375	3.66	526	5-69	36	577	.04	27	37
92-20-0033	5922603	1378494	8-63	4 301	19,688	3.77	743	24	14,448	3.67	530	2-70	34	858	.02	34	50
92-20-0033	6385396	1437724	9-65	2 305	19,950	3.27	652	30	12,885	3.62	467	9-69	29	804	-.07	19	37
92-20-0065	5937208	1405628	5-63	3 284	19,073	3.61	689	9	14,853	3.44	511	1-70	33	740	.03	31	45
92-20-0065	6189856	1405628	7-64	2 305	19,995	3.62	723	6	14,905	3.41	509	2-69	30	788	.03	33	48
92-20-0065	6189857	1405628	7-64	2 305	19,750	3.50	691	7	14,430	3.45	498	12-69	30	810	.01	31	47
92-20-0065	6327076	1405628	9-64	2 296	18,030	3.79	683	6	14,255	3.33	474	5-69	30	624	.07	32	43
92-20-0065	6327077	1405628	1-65	2 168	16,820	4.11	691	7	14,000	3.47	486	3-70	8 30	508	.09	32	40
92-20-0086	5288801	1320611	6-60	6 298	21,732	3.63	788	16	16,417	3.67	603	10-68	36	991	-.01	35	55
92-20-0086	6280877	1397607	6-63	3 292	18,967	3.73	708	16	16,280	3.57	581	9-68	33	602	.03	26	37
92-20-0119	4863181	1307195	10-58	4 243	20,905	3.66	765	12	17,890	3.54	634	2-70	8 43	604	.03	26	37
92-20-0119	6262678	1307195	1-64	4 241	21,343	3.50	747	11	17,945	3.51	630	2-70	8 43	653	.00	24	37
92-22-0021	6514289	1271075	4-65	3 301	19,580	3.18	623	24	16,473	3.33	549	3-70	42	812	-.04	24	41
92-22-0023	6436314	1222994	8-65	2 305	21,675	3.13	678	13	15,430	3.44	531	12-68	40	950	-.06	26	46
92-22-5045	4514410	1060259	6-57	3 304	20,123	3.54	713	14	14,720	3.76	554	1-69	42	971	-.05	27	48
92-22-5045	6449684	1259069	8-65	3 305	21,733	3.53	768	16	16,066	3.64	585	1-70	42	827	-.04	24	41
92-22-5045	6530597	1271075	5-65	3 302	19,377	3.33	646	19	16,013	3.68	590	12-69	42	836	-.06	22	40
92-22-5045	6571811	1329588	1-66	2 305	20,555	3.50	719	21	14,745	3.66	539	10-69	40	840	-.04	24	42
92-23-0046	5980726	1244009	11-63	3 305	20,497	3.78	775	19	15,853	3.61	572	9-69	42	979	-.01	34	54
92-23-0089	5947807	1421805	9-63	4 303	21,427	3.25	696	14	16,090	3.42	550	2-70	36	1,005	-.06	27	48
92-23-0089	6058705	1421805	10-63	4 305	20,697	3.59	742	18	15,920	3.44	547	1-70	36	924	.00	34	52
92-23-0089	6241162	1271075	6-64	3 305	20,513	3.15	646	15	16,867	3.41	576	8-69	42	879	-.05	24	43
92-23-0089	6443027	1421805	10-65	3 305	21,393	3.20	684	16	16,076	3.44	553	12-69	34	957	-.07	24	45
92-23-0106	6505521	1330987	11-65	3 305	18,757	3.56	667	6	14,317	3.70	530	2-70	42	828	.01	32	48
92-23-0108	5356010	1307195	1-61	3 298	17,697	3.55	628	16	13,410	3.56	477	4-69	42	678	.01	26	39
92-23-0112	6186924	1271075	1-64	4 305	17,465	3.78	660	14	14,253	3.96	565	8-69	43	814	-.02	27	44
92-23-0112	6860592	1239242	6-67	1 305	23,310	3.38	788	14	16,720	3.97	664	12-69	36	796	-.06	20	37
92-23-0112	6873290	1261857	4-67	1 305	21,970	4.00	879	20	17,150	3.95	677	5-69	36	853	.08	43	58
92-23-0129	6834858	1261857	8-66	2 305	21,835	3.71	811	12	16,870	3.88	654	3-70	40	975	.05	42	60
92-27-5013	6632391	1409605	4-64	4 302	18,958	3.75	711	34	15,528	3.84	596	2-70	32	773	-.03	24	40
92-27-5013	6787805	1471656	9-65	3 302	19,840	3.91	776	28	15,120	3.86	583	2-70	32	736	.02	30	44
92-27-5013	6787818	1403067	1-66	1 305	20,980	3.59	754	34	14,840	3.79	563	3-69	24	699	.01	26	40
92-27-5030	5771572	1307195	11-62	3 305	17,363	4.00	694	30	14,183	3.59	509	2-70	42	558	.07	30	39
92-27-5030	6776081	1242221	1-67	1 305	18,360	3.57	655	35	13,520	3.47	469	7-69	34	1,091	.00	40	62
92-27-5030	6776084	1242221	2-67	1 305	16,540	3.58	592	36	13,260	3.51	466	5-69	34	969	.00	35	54
92-27-5136	5739307	1235822	11-62	4 248	16,790	3.82	642	14	12,773	3.81	487	11-68	8 42	597	.04	27	38
92-28-0022	6081007	1244009	10-63	4 305	20,853	3.25	677	17	15,745	3.44	542	5-69	44	1,066	-.08	27	50
93-04-9041	5934363	1239242	9-63	4 305	18,485	3.68	681	25	15,335	3.48	534	11-69	44	658	.02	27	39
93-04-9041	6732195	1458744	7-66	2 305	17,530	3.53	618	19	15,345	3.32	509	4-70	40	761	.01	29	44
93-07-0002	7063080	1347940	2-68	1 305	23,080	3.54	817	313	17,320	3.63	628	3-70	36	1,024	-.01	35	56
93-10-0043	7133575	1305874	6-67	1 305	21,100	3.44	726	30	12,900	3.57	460	10-69	32	700	-.02	23	37
93-10-0044	6835774	1261857	4-67	1 295	18,360	3.82	701	151	15,780	3.46	546	7-69	36	676	.09	38	49
93-10-0044	6862975	1261857	4-67	1 280	19,900	3.42	680	141	16,060	3.43	551	6-69	36	772	.06	36	50
93-10-0167	6629619	1237057	8-66	2 299	23,160	3.15	730	46	17,425	3.34	582	2-70	40	914	-.08	21	41
93-10-0207	6454679	1455386	9-65	2 297	25,260	2.97	750	8	15,730	3.46	544	2-70	32	1,305	-.13	27	56
93-10-9011	5039013	1306235	3-59	5 305	22,286	3.67	817	13	17,100	3.55	607	10-69	35	745	.03	31	45
93-10-9011	5461623	1299222	11-61	5 305	26,042	3.19	831	7	16,450	3.62	595	10-68	42	1,781	-.11	47	85
93-10-9011	5785106	1299222	11-62	4 304	20,507	3.18	652	9	16,095	3.62	582	9-68	41	1,052	-.09	24	47
93-10-9011	5785107	1299222	2-63	4 305	21,275	3.14	667	13	16,022	3.57	572	10-69	41	1,160	-.10	27	53
93-10-9011	6105972	1299222	3-64	4 300	20,282	3.37	684	13	15,685	3.58	562	10-69	41	1,071	-.05	31	54
93-10-9011	6878551	1437633	7-67	1 305	24,660	3.35	826	12	18,660	3.50	653	12-69	32	932	-.06	24	44
93-10-9011	6892561	1437633	5-67	1 305	20,790	3.30	687	11	15,960	3.43	547	8-69	32	817	-.06	21	39
93-10-9011	6953049	1437633	10-67	1 305	28,600	3.36	962	9	18,150	3.55	644	1-70	32	1,284	-.07	36	63
93-10-9018	5719392	1199324	9-62	2 305	19,935	3.47	692	98	17,790	3.38	602	2-70	40	737	-.01	25	40
93-10-9018	5823504	1401863	1-63	2 305	20,935	3.88	813	104	17,230	3.38	582	4-69	30	747	.09	40	53
93-10-9018	5823508	1199324	2-63	2 305	20,995	3.47	728	114	17,035	3.39	578	3-69	40	914	-.01	31	49
93-10-9018	5823509	1199324	2-63	2 298	19,945	3.27	653	111	16,760	3.42	574	11-68	40	832	-.04	24	42
93-10-9018	6062304	1237057	10-63	2 305	22,840	3.20	732	75	17,125	3.49	597	10-69	40	909	-.09	20	40
93-10-9018	6252001	1242221	12-64	3 305	20,980	3.74	785	90	16,373	3.44	564	7-69	41	1,225	.04	50	73
93-10-9018	6252002	1242221	12-64	3 298	22,937	3.06	701	110	16,680	3.41	569	3-69	41	1,425	-.07	40	70
93-10-9018	6577511	1474410	6-66	2 305	22,240	3.42	760	80	16,745	3.42	572	6-69	29	752	-.01	26	41
93-10-9018	6647606	1437633	3-66	2 294	22,250	3.20	712	79	17,000	3.44							

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	PRODUCTION FAT (LB)	..HERDMATE NO.	MILK (LB)	FAT (%)	AVERAGES... FAT (LB)	LAST CALV O MO-YR	T C O	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
93-10-9175	4767148	1297395	10-58	3	301	23,080	3.73	862	104	18,140	3.47	630	3-70	29	764	.05	35	\$ 49
93-10-9175	5715915	1330259	4-62	3	305	24,346	3.49	849	112	17,690	3.49	617	11-69	33	1,288	.00	46	72
93-10-9175	5843998	1330259	9-62	3	285	22,626	4.27	966	89	17,320	3.49	604	4-69	33	1,104	.15	63	81
93-10-9175	5943357	1244009	10-63	4	305	21,020	3.30	694	89	17,698	3.55	628	3-70	44	869	-.08	20	39
93-10-9175	6001491	1330259	2-63	4	292	22,360	3.31	740	87	16,452	3.56	586	10-69	35	1,225	-.05	37	62
93-10-9175	6145831	1271075	5-64	4	301	22,340	3.55	792	115	18,258	3.48	636	3-70	43	972	.00	35	54
93-10-9175	6282418	1242221	10-64	4	301	21,855	3.37	736	125	18,303	3.50	640	2-70	42	1,144	-.03	37	60
93-10-9175	6338886	1242221	7-64	3	305	21,763	3.13	681	113	18,073	3.48	629	4-69	41	1,137	-.07	31	55
93-10-9175	6338891	1455387	6-65	2	305	22,470	3.18	714	103	17,215	3.58	616	8-69	29	914	-.07	22	42
93-10-9175	6454676	1401863	9-65	2	305	26,390	3.07	811	105	17,795	3.57	635	11-69	30	1,328	-.09	34	63
93-10-9175	6568829	1418050	6-65	3	297	26,363	2.86	755	119	18,356	3.51	644	2-70	37	1,360	-.16	25	56
93-10-9175	6603307	1401863	10-65	1	305	21,110	3.73	787	101	17,600	3.56	626	11-68	25	637	.04	29	41
93-10-9175	6625006	1330987	7-65	2	305	20,385	3.55	723	124	18,125	3.49	633	3-69	40	596	.04	28	39
93-10-9175	6693999	1473728	8-65	3	305	22,033	3.30	727	109	18,060	3.52	636	1-70	34	709	-.02	22	37
93-10-9175	6694001	1473728	1-66	2	305	21,290	4.16	886	95	17,345	3.55	615	8-69	32	634	.12	41	50
93-10-9175	6719058	1460787	12-66	1	305	23,380	3.11	728	112	17,800	3.56	634	7-69	26	1,072	-.08	27	50
93-10-9175	6987802	1418050	11-66	1	305	23,150	3.49	807	107	17,790	3.57	635	7-69	29	802	-.03	25	42
93-10-9175	7134837	1236721	5-67	1	305	21,550	3.57	770	115	18,920	3.51	664	1-70	28	654	.00	24	37
93-10-9175	7199727	1473728	2-67	1	305	22,260	3.82	851	94	18,160	3.53	641	12-69	26	542	.06	28	37
93-10-9175	7199736	1471968	7-67	1	305	22,910	3.90	893	111	18,800	3.52	661	2-70	27	585	.03	26	37
93-10-9175	7199750	1473728	9-67	1	301	24,290	3.21	780	94	18,160	3.53	641	12-69	8 26	717	-.03	22	37
93-10-9278	5100762	910991	2-60	5	302	20,710	3.68	763	41	17,042	3.37	575	1-70	44	589	.05	28	39
93-10-9278	6148785	1399607	1-64	4	296	18,325	4.05	742	38	16,477	3.34	550	5-69	37	703	.11	42	53
93-10-9278	6250731	1271075	10-64	3	305	22,040	3.78	834	43	16,983	3.46	587	11-69	42	1,045	.05	45	64
93-10-9278	6427994	1445569	4-65	3	301	21,420	3.44	736	37	15,996	3.41	545	8-69	37	750	.00	27	42
93-10-9278	6605101	1438080	7-66	1	305	20,570	3.07	631	40	14,980	3.50	525	10-68	30	841	-.06	22	40
93-10-9278	6731857	1438080	10-66	2	305	21,560	3.62	781	41	17,120	3.33	570	1-70	35	875	.04	37	53
93-10-9278	6842648	1438080	6-67	1	305	22,680	3.13	709	40	15,910	3.41	543	7-69	30	946	-.05	27	47
93-11-9001	6118606	1384640	12-63	4	305	24,538	3.38	830	13	18,395	3.70	680	4-70	34	1,097	-.06	31	54
93-11-9039	5650758	1381711	7-62	5	305	19,444	3.17	616	30	13,870	3.47	481	8-69	35	950	-.08	23	44
93-11-9039	6230765	1381711	11-64	3	305	19,943	3.43	684	37	14,750	3.46	511	3-70	32	826	-.03	26	43
93-11-9039	6412112	1447918	9-65	2	305	18,540	3.54	657	25	14,870	3.40	506	3-69	30	653	.01	25	38
93-11-9039	6642985	1315612	8-66	2	305	22,390	3.43	769	33	16,035	3.39	543	3-70	40	659	.01	25	38
93-15-0057	6316462	1222994	7-64	4	293	20,360	4.25	865	9	18,558	3.61	670	11-69	44	564	.11	36	45
93-15-0057	6741099	1330424	11-66	1	305	24,490	3.37	826	7	16,580	3.52	583	4-69	24	1,002	-.03	32	53
93-15-0087	6356476	1322863	5-65	3	302	23,313	3.45	805	33	17,883	3.33	596	2-70	39	951	.00	34	53
93-16-9001	4968659	1242221	9-59	4	294	18,795	3.55	668	46	15,633	3.47	543	12-69	42	1,060	.01	39	60
93-16-9001	5721689	1192713	1-63	5	305	23,346	3.32	776	28	15,760	3.48	548	3-70	44	1,341	-.04	42	70
93-16-9001	6218330	1222994	12-64	3	302	20,310	3.38	686	50	14,947	3.48	520	10-69	42	920	-.02	30	49
93-16-9001	6251131	1192713	11-64	3	292	22,507	3.37	758	48	14,767	3.49	516	11-69	42	1,252	-.03	40	66
93-16-9001	6655329	1460787	8-66	1	305	20,160	3.27	659	23	16,700	3.31	553	3-69	26	878	-.03	27	45
93-16-9001	6660895	1460787	7-66	1	305	17,460	3.67	640	29	15,410	3.52	543	12-68	26	744	-.01	26	41
93-16-9001	6868136	1460787	7-67	1	305	23,200	3.24	752	32	15,620	3.37	526	5-69	26	1,227	-.05	37	63
93-16-9001	7051835	1460787	5-67	1	305	21,860	3.29	719	38	16,740	3.47	581	2-70	26	1,023	-.05	30	51
93-16-9001	7097848	1460787	2-68	1	305	18,190	3.62	659	45	15,630	3.44	538	7-69	26	790	.00	28	44
93-16-9011	5863994	1384640	1-63	3	305	21,697	3.92	851	25	18,947	3.67	695	2-69	32	587	.06	30	40
93-16-9011	6608335	1478283	6-66	2	305	23,860	3.45	823	27	18,220	3.55	647	2-70	29	984	-.02	32	52
93-16-9011	6735670	1432243	7-66	1	305	25,320	3.83	970	29	19,160	3.58	685	1-69	28	680	.03	29	42
93-16-9011	6735672	1478283	10-66	2	305	21,595	3.64	787	24	18,365	3.56	653	3-70	29	695	.01	27	40
93-16-9011	6806597	1478283	12-66	1	305	22,310	3.28	732	35	17,290	3.61	624	7-69	23	755	-.04	21	37
93-16-9011	6892600	1478283	5-67	1	305	25,320	3.68	932	47	17,040	3.59	611	10-69	23	1,048	.01	40	60
93-16-9026	5495213	1355609	7-61	4	305	17,880	3.82	683	31	11,822	3.59	425	4-69	34	798	.05	36	51
93-16-9050	6252003	1242221	12-64	4	304	21,748	3.55	773	38	18,148	3.63	659	3-70	42	1,148	-.02	39	62
93-16-9050	6288776	1330987	2-65	1	305	17,420	4.20	731	19	14,490	3.73	541	9-69	36	567	.09	33	42
93-16-9166	6580522	1418050	6-65	2	303	20,755	4.01	832	24	17,170	3.61	620	2-69	34	739	.05	34	47
93-16-9166	6580525	1418050	8-65	3	295	22,990	3.57	821	23	17,610	3.56	627	3-70	37	1,018	-.01	35	55
93-16-9166	6689921	1460787	12-66	1	305	22,990	3.49	802	19	18,310	3.53	646	2-70	26	998	-.03	32	52
93-16-9166	6744508	1460787	12-66	1	305	21,310	3.36	716	25	15,750	3.58	564	9-69	26	1,052	-.05	31	53
93-16-9166	6744512	1460787	1-67	1	305	23,030	3.33	767	23	16,930	3.53	598	12-69	26	1,109	-.05	33	56
93-16-9166	7027836	1460787	6-67	1	305	25,120	3.63	912	29	16,870	3.56	600	11-69	26	1,296	-.01	45	71
93-16-9166	7027838	1460787	9-67	1	305	24,570	3.12	767	11	18,760	3.52	661	3-70	26	1,100	-.08	28	52
93-16-9166	7027839	1460787	10-67	1	305	24,020	3.41	819	7	19,180	3.43	657	4-70	26	1,019	-.03	33	54
93-16-9166	7027840	1460787	11-67	1	305	22,030	3.42	754	11	18,760	3.52	661	3-70	26	879	-.03	27	45
93-19-0086	6270682	1271075	3-64	2	305	16,970	3.90	662	5	13,260	3.73	495	3-70	40	806	.02	32	47
93-19-0392	5583182	1291500	2-62	6	305	23,647	3.26	771	146	16,067	3.57	573	10-69	36	1,213	-.07	33	59
93-19-0061	6272784	1322863	2-65	3	295	22,387	3.45	772	171	17,117	3.44	588	6-69	39	923	-.02	31	50
93-19-0061	6381492	1289121	9-65	3	297	24,567	3.24	796	180	18,373	3.34	614	1-70	39	753	-.04	21	37
93-19-0061	6441402	1299222	12-65	1	305	19,460	3.87	753	195	17,020	3.35	570	4-69	33	733</			

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS		
93-19-9165	6346047	1339836	3-65	3	305	23,413	4.01	940	144	18,557	3.67	681	11-69	41	746	.03	32	\$ 46
93-19-9165	6369331	1339836	2-65	3	305	25,907	3.28	851	157	19,467	3.64	708	3-70	41	945	-.10	19	40
93-19-9165	6369332	1339836	2-65	2	305	25,795	3.68	948	134	18,685	3.65	682	3-69	38	913	-.03	29	48
93-19-9165	6369347	1441176	4-65	2	305	24,290	3.58	870	149	18,600	3.68	684	6-69	29	823	-.04	24	41
93-19-9165	6526886	1366229	1-66	2	305	25,320	3.78	957	169	20,135	3.63	731	1-70	40	658	.08	36	47
93-19-9165	6595375	1239242	3-66	2	305	22,775	3.76	857	172	18,865	3.65	688	7-69	40	714	.02	28	42
93-19-9165	6602111	1460787	4-66	1	305	27,440	3.49	959	157	17,980	3.72	669	8-69	26	1,411	-.04	44	73
93-19-9165	6658834	1438080	9-66	2	305	21,710	3.81	827	158	19,570	3.66	717	3-70	35	647	.03	27	39
93-19-9165	6730482	1472870	11-66	1	305	25,000	3.41	853	135	19,230	3.67	705	4-69	22	787	-.06	20	37
93-19-9165	6993343	1347940	11-67	1	305	29,630	3.38	1001	169	20,670	3.67	758	2-70	36	1,287	-.04	40	67
93-19-9165	7032077	1460787	8-67	1	305	22,310	3.85	859	168	20,000	3.71	741	12-69	26	806	.01	30	46
93-19-9303	6068287	1429144	2-64	1	305	26,180	3.54	927	34	17,790	3.72	662	10-68	23	1,110	-.05	32	55
93-19-9303	6140987	1322863	4-64	4	305	24,403	3.58	874	27	18,230	3.70	675	2-70	41	1,096	-.03	35	57
93-19-9303	6438714	1429144	5-65	3	305	25,836	3.07	794	32	17,766	3.70	657	12-69	32	1,434	-.16	27	60
93-19-9303	6913656	1483087	8-67	1	305	26,920	3.40	915	37	17,470	3.70	647	10-69	23	1,202	-.08	32	58
93-19-9303	6976576	1379917	9-67	1	305	22,480	3.69	829	30	18,910	3.69	698	3-70	32	778	-.01	26	42
93-19-9303	6976577	1299222	9-67	1	305	25,180	4.36	1097	33	19,150	3.70	709	12-69	33	1,033	.08	49	67
93-19-9316	5162676	1228022	12-59	4	305	18,508	3.59	664	123	16,895	3.62	612	9-69	43	794	-.06	20	37
93-19-9316	5888394	1371800	10-62	4	305	21,622	3.64	787	133	17,022	3.61	615	8-69	34	798	.00	29	45
93-19-9316	6086176	1271075	2-64	3	305	19,780	3.66	723	157	16,657	3.63	604	1-69	42	816	.00	30	46
93-20-0061	6918546	1478014	8-67	1	305	21,540	3.70	796	387	17,730	3.25	577	3-70	33	612	.06	31	42
93-20-9038	5152566	1189870	9-60	4	288	20,938	3.81	797	66	15,700	3.62	568	9-69	44	885	.04	38	55
93-20-9038	7204552	1347940	11-67	1	305	20,620	3.74	771	28	18,680	3.40	635	3-70	36	750	.03	31	45
93-21-4009	7018000	1387978	10-67	1	305	19,060	3.73	710	6	17,010	3.34	568	1-70	35	596	.03	26	37
93-21-9062	7299118	1458744	11-67	1	280	18,930	3.30	625	53	15,710	3.41	536	4-70	36	811	-.02	26	43
93-21-9091	5800767	1189870	11-62	3	297	20,410	3.50	714	16	15,183	3.49	530	1-69	42	837	.00	30	47
93-21-9091	6530685	1399824	3-66	2	305	19,715	3.29	648	11	14,545	3.51	511	1-70	40	903	-.02	30	48
93-21-9091	6612023	1399824	9-66	2	297	20,630	2.81	580	20	14,910	3.51	524	10-69	40	963	-.09	22	43
93-21-9091	6732584	1399824	10-66	2	305	19,600	3.67	720	17	14,770	3.52	520	12-69	40	871	.03	36	52
93-21-9091	6732586	1399824	11-66	2	305	16,450	4.01	659	18	14,745	3.53	521	11-69	40	553	.07	30	39
93-21-9091	6891378	1399824	7-67	1	305	21,420	3.11	666	23	16,220	3.43	557	9-69	36	800	-.03	25	42
93-21-9122	5618125	1199324	9-61	2	305	25,330	3.51	889	24	15,950	3.70	590	4-69	40	1,453	-.04	47	77
93-23-0026	6760329	1261857	2-67	1	305	15,990	3.61	577	25	12,640	3.76	475	8-69	36	710	.06	34	47
93-23-0026	6760330	1261857	2-67	1	305	15,980	3.54	566	25	11,900	3.80	452	9-69	36	759	.05	34	48
93-23-0026	6831348	1261857	4-67	1	305	15,300	3.87	592	25	11,900	3.80	452	9-69	36	708	.07	36	48
93-23-9009	5792225	1395098	2-63	4	305	21,478	3.80	816	52	17,703	3.72	659	4-69	30	631	.03	27	39
93-23-9009	5863357	1239242	6-63	4	304	20,935	3.91	818	84	17,000	3.66	622	10-69	44	776	.04	34	48
93-23-9009	5890496	1401250	5-63	4	305	20,662	3.34	691	76	16,112	3.61	582	1-69	35	967	-.10	20	42
93-23-9009	6154142	1234023	10-64	3	300	20,817	4.07	848	91	16,570	3.63	601	7-69	42	580	.10	35	44
93-23-9009	6477719	1244009	8-65	2	305	19,455	3.89	757	66	17,315	3.64	630	4-69	40	689	-.01	24	38
93-23-9009	6477723	1244009	11-65	2	305	21,935	3.32	729	66	17,135	3.62	621	1-69	40	957	-.08	22	43
93-23-9009	6831483	1427604	3-67	1	305	23,870	3.64	870	73	16,130	3.68	593	6-69	23	843	.01	32	48
93-23-9009	6863675	1239242	4-67	1	305	22,850	3.37	770	82	16,860	3.71	625	12-69	36	752	-.04	21	37
93-24-0029	6676772	1299222	7-65	1	305	19,640	3.39	666	34	14,100	3.60	507	12-68	33	955	-.04	29	49
93-24-0031	5249869	1275318	1-61	6	298	23,326	3.14	733	78	17,953	3.35	601	12-68	36	878	-.07	21	40
93-24-0031	6370589	1388586	8-65	1	305	26,180	3.14	822	44	17,630	3.44	606	1-69	24	934	-.09	21	42
93-24-0031	6947659	1470009	7-67	1	305	26,040	3.08	803	171	18,660	3.31	618	10-69	22	723	-.01	24	39
93-24-0074	5136027	1360553	5-60	2	305	24,805	3.08	764	28	20,275	3.42	693	2-70	31	867	-.10	17	37
93-24-0074	5904273	1199324	5-63	2	305	22,290	3.28	730	31	18,295	3.56	652	10-69	40	930	-.06	25	45
93-24-0074	6048160	1322863	1-64	2	305	22,480	3.54	796	30	18,140	3.50	635	10-69	37	762	-.01	26	41
93-24-0074	6298350	1322863	1-65	2	305	24,500	3.74	917	30	18,090	3.48	629	8-69	37	982	.03	40	59
93-24-0074	6430948	1437633	8-65	2	305	23,745	3.37	800	26	19,805	3.46	685	2-70	36	874	-.06	23	42
93-24-0074	6430949	1437633	9-65	1	305	27,610	3.37	930	26	19,540	3.52	687	11-68	32	1,105	-.07	30	54
93-24-0074	6538790	1406271	3-66	2	301	21,660	3.58	775	29	18,325	3.51	644	7-69	40	814	.03	34	49
93-24-0074	6827254	1458744	1-67	1	286	19,860	3.36	668	35	18,060	3.53	637	8-69	36	723	-.03	22	37
93-24-0074	6827255	1458744	1-67	1	289	24,130	3.19	770	35	18,060	3.53	637	8-69	36	1,041	-.05	30	52
93-24-0161	6775320	1425137	4-66	1	305	23,780	3.20	761	66	13,000	3.63	472	6-69	36	871	-.06	22	41
93-24-0233	5878784	1368109	9-63	3	305	21,867	3.74	818	55	16,690	3.52	587	2-70	42	744	.03	31	45
93-24-0368	4333719	1113567	5-56	3	305	18,510	3.59	665	42	13,697	3.69	506	10-68	29	683	-.01	23	37
93-24-0368	5077039	1295523	11-59	3	304	21,037	3.37	709	44	16,670	3.64	607	8-69	41	828	-.05	23	41
93-24-0368	6916111	1458744	8-67	1	305	16,100	3.59	578	47	13,980	3.88	543	2-70	36	716	-.03	22	37
93-24-0411	6079300	1271075	7-63	1	305	19,930	3.62	722	44	17,320	3.53	611	3-70	35	685	.00	25	39
93-24-0411	6893639	1467291	1-67	1	305	19,790	3.72	736	81	17,040	3.57	608	12-69	25	770	.04	33	47
93-24-0447	6088902	1244009	6-64	4	305	22,803	3.35	763	11	17,680	3.52	622	2-70	44	1,092	-.07	29	52
93-24-0447	6408790	1271075	12-65	2	295	19,640	3.47	681	15	16,725	3.56	595	6-69	40	760	-.02	25	40
93-24-9099	5731318	1258673	10-62	3	305	23,233	3.74	869	73	18,407	3.41	628	7-69	42	466	.18	43	48
93-24-9099	6231443	1295523	7-64	3	305	22,270	3.08	685	65	18,060	3.42	618	3-70	41	825	-.07	19	37
93-24-9099	6287790	1440846	8-64	4	305	24,420	3.16	772	68	18,157	3.44	624	3-70	33	1,025	-.09	24	47
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TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW STRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C MO-YR DC O W I N O È X..... MILK FAT FAT DOL- (L8) (%) (L8) LARS
93-24-9180	5893733	1388627	3-63	4 305 21,192 3.57 756	41 17,162 3.56 611	6-69	33 814 .00 29 \$ 45
93-24-9180	5941600	1388627	11-63	4 303 22,632 3.58 810	37 17,300 3.56 616	6-69	33 1,005 .00 36 56
93-24-9180	5976040	1371516	6-63	4 302 22,477 3.47 780	49 17,777 3.55 631	1-70	35 789 -.02 26 42
93-24-9180	6175100	1385141	1-64	4 305 26,312 3.54 932	43 17,462 3.53 616	12-69	34 1,380 -.01 48 76
93-24-9204	5944706	1388742	9-63	3 305 20,280 3.54 718	35 15,653 3.57 559	6-69	33 655 .01 25 38
93-24-9454	5266148	1190953	3-60	4 305 19,230 3.78 726	10 15,125 3.60 545	10-68	41 682 .06 33 45
93-24-9454	5444293	1283917	12-60	5 305 20,392 3.60 734	9 16,356 3.60 589	9-69	44 796 -.06 20 37
93-24-9454	5640068	1199324	7-62	5 305 23,676 3.49 826	9 16,514 3.61 596	2-70	44 1,404 -.04 45 74
93-27-0007	6597371	010238433	7-64	3 305 25,983 3.14 815	110 19,633 3.37 662	11-69	34 983 -.07 25 46
93-27-0007	6602110	1460787	4-66	3 305 25,280 3.07 777	103 20,073 3.44 691	3-70	34 1,257 -.11 29 57
93-27-0054	5770964	1389222	10-62	5 305 20,054 3.76 754	50 16,270 3.53 575	1-70	36 766 .04 33 47
93-27-0054	5852216	1302713	10-62	2 305 23,495 3.28 771	37 16,705 3.50 585	3-69	29 904 -.04 26 45
93-27-0054	5885084	1302014	6-63	4 305 20,363 3.51 715	44 16,635 3.53 588	11-69	35 713 -.03 22 37
93-27-0072	6171679	1242221	11-64	2 295 27,645 2.93 809	17 18,170 3.39 616	7-69	38 1,710 -.11 45 82
93-27-9002	5104016	1297472	5-60	2 305 25,180 3.51 884	52 17,310 3.54 613	6-69	39 940 .02 37 55
93-27-9002	5338988	1244845	1-61	4 305 24,023 2.87 689	63 18,140 3.43 622	2-69	44 994 -.15 14 37
93-27-9002	6051682	1244845	3-64	3 305 22,643 3.37 762	61 18,367 3.40 624	7-69	42 763 -.04 21 37
93-27-9002	6063915	1417290	4-64	3 305 21,250 3.71 789	55 17,926 3.36 602	4-69	32 627 .08 35 45
93-27-9002	6143962	1417290	8-64	2 305 23,260 3.43 797	58 17,365 3.46 600	4-69	29 875 .01 33 50
93-27-9002	6202056	1297472	10-64	2 305 23,340 3.96 924	52 17,615 3.50 617	11-68	39 721 .10 41 53
93-27-9002	6233490	1421151	11-64	2 305 20,985 3.82 801	57 17,285 3.53 610	6-69	29 569 .07 30 40
93-27-9002	6233495	1297472	11-64	3 305 23,947 3.53 845	52 17,893 3.55 635	11-69	41 842 .02 34 50
93-27-9002	6473443	1406271	11-65	2 305 21,905 3.40 745	62 17,805 3.43 611	3-70	40 887 .01 34 51
93-27-9002	6481621	1406271	2-66	1 305 19,350 3.67 710	76 17,580 3.47 610	7-69	36 618 .05 30 41
93-27-9002	6875584	1417290	8-67	1 305 20,340 4.16 847	57 17,170 3.55 609	2-70	24 453 .11 32 38
93-27-9029	4261763	1060259	4-56	5 291 20,452 3.84 785	65 17,282 3.58 619	11-68	44 780 .02 31 46
93-27-9029	6244730	1419723	8-64	3 305 24,443 3.49 852	98 18,826 3.57 672	4-69	36 809 -.02 26 43
93-27-9029	6268023	1222994	12-64	3 305 23,300 3.16 736	83 18,483 3.63 671	12-69	42 897 -.08 20 40
93-27-9029	6268027	1222994	2-65	3 305 22,977 3.66 841	77 18,397 3.66 673	2-70	42 869 .00 32 49
93-27-9029	6706298	1239242	8-66	2 305 23,680 3.59 849	79 19,140 3.63 695	1-70	40 781 -.01 26 42
93-28-0010	6291172	1271075	4-65	2 305 21,755 2.99 651	40 16,610 3.73 619	2-70	40 986 -.10 20 42
93-33-0056	6964403	1366011	12-67	1 305 24,330 3.54 861	19 17,860 3.42 611	4-70	31 968 .04 41 59
93-33-9010	6608579	1462040	4-66	2 281 19,245 3.44 662	24 16,440 3.36 552	5-69	29 610 .02 25 37
93-33-9010	6608586	1330987	7-66	2 305 24,220 3.14 761	24 16,230 3.52 572	12-69	40 1,158 -.03 37 61
93-33-9010	6759809	1462040	1-67	2 302 22,980 3.35 769	21 18,020 3.41 614	4-70	29 890 -.01 31 49
93-33-9010	6835870	1462040	2-67	2 304 20,130 4.09 824	21 18,020 3.41 614	4-70	29 545 .13 38 46
93-33-9010	6956051	1478014	11-67	1 305 21,010 4.00 840	37 18,200 3.42 622	1-70	33 536 .08 31 40
93-33-9010	7006538	1462040	12-67	1 305 23,950 3.64 871	25 18,450 3.44 635	3-70	23 799 .04 34 49
93-33-9041	5586863	1344345	5-62	4 305 22,705 3.48 789	241 17,000 3.60 612	3-69	43 991 -.08 24 46
93-33-9041	6284075	1032011	1-65	3 305 23,397 3.20 748	244 17,647 3.61 637	1-70	34 1,034 -.06 28 50
93-33-9041	6380726	1242221	4-65	2 305 22,100 3.78 836	256 17,515 3.59 628	5-69	38 1,192 .03 47 70
93-33-9041	6586855	1032011	5-66	2 305 23,870 3.44 822	258 17,540 3.64 638	11-69	31 1,021 -.01 35 56
93-33-9041	6586856	1032011	7-66	2 305 21,570 3.95 851	247 17,865 3.62 647	12-69	31 718 .08 38 50
93-33-9041	6586861	1366011	6-66	2 305 19,310 3.79 732	203 17,760 3.59 638	12-69	35 592 .06 30 40
93-33-9041	6603143	1366011	6-66	1 305 21,120 4.10 866	212 17,420 3.61 628	10-68	31 738 .09 40 52
93-33-9041	6986929	1366011	11-67	1 305 22,570 3.90 880	88 17,890 3.62 647	4-70	31 822 .06 39 54
93-33-9041	6986930	1366011	1-68	1 301 20,440 3.84 784	139 18,060 3.63 655	3-70	31 636 .06 31 42
93-33-9045	6651271	1405239	3-66	2 305 18,520 4.39 813	5 16,120 3.65 589	7-69	30 537 .11 35 43
93-33-9079	6260976	1420003	12-64	1 305 25,230 3.25 820	112 17,790 3.29 585	3-70	19 744 -.03 23 38
93-33-9079	6449988	1380666	9-65	3 296 24,013 3.21 772	46 18,266 3.48 636	4-70	34 1,054 -.05 31 53
93-33-9079	6704919	1397184	7-66	2 300 26,365 3.11 819	106 18,070 3.40 614	3-70	32 844 -.06 21 39
93-33-9079	6765808	1280015	7-66	2 305 30,395 3.04 924	83 17,165 3.44 590	9-69	40 1,390 -.03 46 74
93-34-0031	6603457	1330987	8-66	1 305 22,480 3.77 847	69 15,640 3.80 595	9-69	36 867 .05 38 54
93-34-0190	6953301	1236721	10-67	1 305 20,760 3.25 674	9 16,710 3.35 560	3-70	28 755 -.02 24 40
93-34-0190	7104261	1236721	11-67	1 305 24,820 3.19 792	9 16,710 3.35 560	3-70	28 1,096 -.04 34 57
93-36-0012	5780303	1199324	3-63	3 300 18,490 3.89 720	28 16,210 3.81 618	2-69	42 753 .01 28 43
93-36-0012	6177410	1330987	12-63	4 305 19,600 4.05 794	29 16,863 3.76 634	10-69	44 680 .09 38 49
93-36-0012	6249436	1259069	11-64	2 305 21,685 4.27 926	36 16,590 3.79 628	3-69	40 701 .05 33 46
93-36-0012	6398162	1466388	7-65	2 305 20,370 3.94 802	31 16,000 3.75 600	7-69	25 579 .04 27 37
93-36-0012	6547717	1237057	12-65	2 305 23,275 3.72 866	33 15,825 3.90 617	9-69	40 1,072 -.04 32 54
93-36-0012	6547721	1417208	3-66	2 305 20,375 3.89 793	34 15,785 3.93 620	9-69	40 893 .02 35 52
93-36-0012	6594202	1330987	10-65	1 305 18,390 4.09 753	34 16,660 3.72 619	1-70	36 494 .08 29 37
93-36-0040	6543513	1236721	1-66	1 305 21,980 3.37 740	68 18,860 3.32 627	9-69	28 695 .00 25 39
93-36-0085	6530950	1424211	12-65	2 303 21,740 3.95 859	41 18,390 3.52 647	5-69	29 488 .09 30 38
93-36-0249	7006525	1366011	4-66	1 305 18,510 4.26 789	75 15,710 3.88 609	5-69	31 651 .08 35 46
93-36-0280	6389219	1259069	7-65	3 305 23,303 3.36 783	126 17,353 3.67 636	1-70	42 875 -.08 20 39
93-36-0280	6597359	1371800	4-66	2 305 23,320 3.40 792	126 17,965 3.63 653	1-70	29 783 -.05 21 38
93-36-0280	6725225	1239242	8-66	2 305 21,850 3.50 764	116 17,905 3.64 652	1-70	40 708 -.02 22 37
93-36-9024	5726357	1242221	9-62	3 305 16,917 3.61 611	50 14,050 3.83 538	9-69	41 992 -.03 32 52
93-36-9024	5766367	1395837	2-63	4 305 16,500 4.58 756	38 14,555 3.70 539	9-69	37 446 .19 43 47
93-36-9024	6110481	1395837	7-64	3 294 16,426 4.35 715	40 14,273 3.89 555	10-69	35 454 .12 34 40
93-36-9024	6277214	1395837	1-65	3 298 16,533 4.48 741	35 13,793 3.92 541	9-69	35 525 .14 39 46
93-36-9024	6277216	1395837	3-65	2 304 16,785 4.13 694	37 13,860 3.92 543	4-69	32 513 .09 31 39
93-36-9024	6277217	1395837	3-65	2 305 16,660 4.24 706	40 13,820 3.94 545	3-69	32 502 .10 32 40
93-36-9024	6410755	1395837	10-65	1 305 17,890 4.90 876	37 14,390 3.98 573	2-69	27 493 .15 40 46
93-36-9024	6513902	1395837	2-66	2 295 19,210 4.06 779	36 14,205 3.96 563	10-69	32 756 .08 39 52
93-36-9024	6796308	1395837	8-66	2 297 18,655 3.60 671	45 14,440 3.95 571	11-69	32 668 .01 26 39
93-36-9024	6822313	1458145	10-66	2 290 18,705 4.03 753	37 14,955 4.01 599	2-70	30 712 .04 32 45
93-36-9219	6540721	1458145	1-66	2 305 20,010 3.64 728	9 15,180 3.99 605	12-69	30 843 -.02 28 45
93-36-9219	6672458	1458145	9-66	2 305 19,445 4.01 779	11 15,210 3.99 607	12-69	30 773 .04 34 48
93-36-9243	6102139	1380666	5-64	3 305 20,930 3.41 714	75 17,770 3.52 626	4-70	34 709 -.01 24 38
93-36-9243	6216053	1412599	10-64	3 305 24,403 3.28 801	83 17,693 3.57 632	12-69	34 990 -.08 24 46
93-36-9243	6374278	1380666	6-65	3 305 24,360 3.60 876	80 17,793 3.57 636	3-70	34 1,155 .02 45 67
93-36-9243	6387163	1242221	5-65	3 305 19,837 3.75 743	62 15,907 3.52 560	10-69	41 1,140 .03 46 68
93-36-9243	6487132	1380666	10-65	1 305 22,940 3.53 810	90 17,700 3.44 609	1-70	26 759 .02 31 45

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C REPT O	.....C O W MILK (LB)	I N D FAT (%)	E X FAT (LB)	..... OOL- LARS
93-36-9243	6487134	1380666	11-65	2 305	24,240	3.60	873	64	17,740	3.49	619	9-69	32	1,048	.03	42	\$ 62
93-36-9243	6795105	1380666	12-66	1 305	25,190	3.67	925	30	15,800	3.41	539	6-69	26	1,102	.04	46	67
93-36-9243	6862337	1380666	5-67	1 305	25,920	3.33	862	52	17,650	3.46	610	9-69	26	1,021	-.01	35	56
93-36-9243	6900481	1299222	7-67	1 299	19,720	3.51	693	87	17,830	3.43	612	12-69	33	696	-.01	24	38
93-36-9243	6900482	1299222	7-67	1 305	21,850	3.23	706	87	17,830	3.43	612	12-69	33	864	-.04	25	43
93-36-9243	7007927	1458744	12-67	1 305	22,440	3.51	788	95	17,780	3.43	610	2-70	36	934	.00	33	52
93-37-0062	6203027	1322863	10-64	1 302	23,700	3.40	805	167	18,460	3.41	629	12-69	33	723	-.02	23	38
93-37-0062	6987882	1366011	2-68	1 305	22,130	3.33	737	103	18,380	3.43	630	4-70	31	750	.01	29	44
93-37-0062	7014132	1330987	11-67	1 274	22,990	3.48	799	185	18,530	3.41	632	2-70	H 36	711	.04	32	45
93-37-9014	5470404	1136564	8-61	5 305	19,682	4.06	799	56	17,146	3.59	616	6-69	43	763	.06	36	50
93-37-9014	5535238	1136564	12-61	6 303	20,363	3.58	729	66	16,673	3.59	598	9-69	43	910	-.03	29	48
93-37-9014	5549381	1136564	8-60	3 305	21,603	3.56	768	60	16,850	3.54	597	11-69	41	995	-.03	32	52
93-37-9014	5880930	1136564	3-63	4 303	22,623	3.54	800	69	17,073	3.58	612	1-70	42	1,134	-.03	36	59
93-37-9014	6061747	1322863	1-64	4 301	19,355	3.90	755	80	17,173	3.56	612	1-70	41	565	.05	27	37
93-37-9014	6326111	1242221	4-65	2 295	19,155	3.45	661	83	16,690	3.64	607	12-68	38	962	-.02	31	51
93-37-9014	6345976	1242221	6-65	3 305	18,790	3.78	710	85	16,997	3.61	613	2-70	41	899	.02	36	53
93-37-9014	6455974	1242221	8-65	3 296	21,640	3.20	693	81	16,937	3.62	613	12-69	41	1,244	-.07	34	61
93-37-9014	6457987	1242221	9-65	2 293	18,415	3.76	693	83	16,495	3.59	592	6-69	38	903	.02	35	52
93-37-9014	6457994	1242221	9-65	3 305	22,100	3.68	813	74	16,970	3.60	611	3-70	41	1,295	.01	48	73
93-37-9014	6564575	1242221	1-66	2 303	21,420	3.80	814	100	16,845	3.62	610	11-69	38	1,184	.02	46	69
93-37-9014	6585956	1136564	3-66	2 289	20,105	3.48	700	90	16,935	3.63	614	10-69	38	775	-.05	21	38
93-37-9014	6604038	1261857	6-66	2 305	22,070	3.92	866	96	16,970	3.59	609	11-69	40	990	.11	52	69
93-37-9014	6734958	1261857	7-66	2 300	18,865	4.00	755	92	17,005	3.60	612	11-69	40	662	.11	40	50
93-37-9014	6734961	1261857	7-66	2 295	20,850	3.74	780	105	16,290	3.60	586	8-69	40	928	.08	45	61
93-37-9014	6734966	1261857	8-66	2 292	21,575	4.08	881	103	16,400	3.59	588	9-69	40	992	.13	55	71
93-37-9014	6734976	1261857	9-66	2 303	22,115	3.62	801	60	17,315	3.56	617	4-70	40	963	.07	45	62
93-37-9014	6841112	1261857	4-67	1 305	18,270	3.53	645	104	16,270	3.55	577	8-69	36	637	.06	32	43
93-37-9014	6894848	1261857	8-67	1 305	19,270	3.96	764	95	17,040	3.54	604	10-69	36	659	.10	39	49
93-37-9014	6894850	1261857	9-67	1 301	19,900	3.48	693	95	17,040	3.54	604	10-69	36	706	.06	34	47
93-37-9031	5955019	1244009	9-63	5 300	20,460	3.55	727	55	18,110	3.43	622	4-70	44	764	-.02	25	41
93-37-9031	6116869	1438016	6-64	4 302	20,897	3.41	712	65	17,212	3.54	609	5-69	35	802	-.04	23	40
93-37-9031	6455832	1239242	5-65	2 305	25,050	3.40	852	55	17,705	3.52	623	4-69	40	1,051	-.03	33	55
93-37-9031	6629205	1463154	7-66	2 305	23,840	2.97	709	70	17,865	3.38	604	1-70	29	1,031	-.13	17	41
93-37-9031	6744586	1271075	9-66	2 305	22,215	3.24	720	74	18,455	3.34	617	1-70	40	864	-.03	27	45
93-37-9031	7001560	1438016	6-67	1 305	27,040	2.78	753	76	18,440	3.31	611	10-69	24	1,065	-.12	20	44
93-37-9036	6098361	1413178	6-64	3 305	18,680	3.43	641	25	13,187	3.60	475	5-69	32	864	-.04	25	43
93-39-0001	5825631	1382580	10-62	2 305	25,235	3.03	765	31	18,345	3.31	607	4-69	30	921	-.08	22	42
93-39-0001	6512145	1398216	9-65	3 304	25,443	3.07	781	40	20,003	3.29	659	3-70	42	1,008	-.10	22	44
93-39-0001	7052096	1470784	7-66	2 305	23,720	3.51	832	36	19,430	3.37	655	3-70	29	812	.01	31	47
93-39-0001	7052097	1470784	9-66	2 298	23,575	3.43	809	43	19,425	3.39	658	1-70	29	795	.00	28	44
93-39-0001	7052098	1470784	10-66	2 305	25,160	3.13	788	43	19,425	3.39	658	1-70	29	985	-.07	25	46
93-39-0004	5867728	1360553	2-62	1 305	21,760	3.86	839	60	16,170	3.49	565	3-69	26	788	.02	31	46
93-39-0077	6288927	1320747	7-64	3 305	19,980	3.66	731	52	16,113	3.71	598	6-69	39	801	-.01	28	44
93-39-0077	6298575	1320747	8-64	4 299	21,303	3.35	713	50	17,130	3.69	632	12-69	40	882	-.06	23	42
93-39-0087	6217611	1354967	1-65	2 305	21,950	3.99	875	41	16,450	3.69	607	8-69	34	660	.08	36	47
93-39-0087	6427700	1444432	7-65	3 305	22,223	3.69	821	36	16,677	3.56	593	2-70	29	830	.03	34	50
93-39-0087	6922066	1299222	7-67	1 305	20,970	3.45	723	38	18,560	3.44	639	3-70	33	743	-.02	24	39
93-39-0217	5454255	1199324	9-61	5 300	18,946	3.66	694	42	17,366	3.62	629	12-69	44	695	-.01	24	38
93-40-0019	6063918	1295523	4-64	3 267	20,140	3.40	684	9	16,640	3.53	588	11-69	B 41	724	-.03	22	37
93-40-0019	6250178	1330362	8-64	3 302	21,820	3.52	767	9	17,533	3.62	635	5-69	39	809	-.04	24	41
93-40-0019	6271126	1242221	8-64	3 287	19,880	3.45	685	8	16,720	3.58	599	1-69	B 41	1,058	-.02	35	57
93-40-0019	6380727	1242221	5-65	3 223	18,890	3.49	660	13	16,340	3.57	583	11-69	41	981	-.02	33	53
93-40-9002	5470730	1242221	8-61	3 305	22,450	3.54	795	14	18,643	3.67	684	4-69	41	1,158	-.02	39	62
93-40-9002	5812567	1242221	1-63	3 305	19,287	3.88	749	16	17,603	3.67	646	12-69	41	894	.03	37	54
93-40-9002	6012286	1411047	10-63	4 305	21,418	4.23	905	18	18,183	3.68	670	6-69	33	621	.13	42	51
93-40-9002	6115501	1242221	6-64	4 292	21,923	3.72	816	15	18,358	3.62	664	3-70	42	1,146	.02	44	66
93-40-9002	6271124	1411047	7-64	3 305	22,293	3.61	804	22	18,800	3.63	682	12-69	32	633	.01	25	37
93-40-9002	6271128	1242221	10-64	2 305	21,975	3.58	762	14	18,025	3.74	674	4-69	38	1,058	-.02	35	57
93-40-9002	6380734	1420015	6-65	3 305	24,316	3.58	870	15	18,776	3.76	706	10-69	37	1,123	-.10	25	50
93-40-9002	6489859	1242221	10-65	3 298	22,877	3.30	755	17	18,130	3.62	657	2-70	41	1,263	-.06	37	63
93-40-9002	6489860	1242221	10-65	2 305	25,920	3.77	976	16	18,405	3.66	673	1-69	38	1,507	.02	57	86
93-40-9002	6714614	1450228	11-66	2 305	23,655	3.51	831	19	18,390	3.58	658	2-70	37	1,257	-.04	39	65
93-40-9002	6714616	1242221	11-66	2 305	21,460	3.34	716	18	18,430	3.60	664	1-70	38	1,039	-.04	31	53
93-40-9002	6886106	1242221	4-67	1 305	28,160	3.30	929	22	18,450	3.65	673	7-69	34	1,504	-.05	47	78
93-40-9002	6886107	1242221	5-67	1 305	22,480	3.49	785	25	18,380	3.65	670	8-69	34	1,072	-.02	36	58
93-40-9002	6886108	1242221	5-67	1 305	24,390	3.56	868	22	18,450	3.65	673	7-69	34	1,214	-.01	42	66
93-40-9002	7072486	1450228	12-67	1 305	21,970	3.54	777	17	17,700	3.46	613	3-70	33	1,064	-.02	35	57
93-40-9002	7072487	1242221	1-68	1 305	22,500	3.75	843	17	17,920	3.46	620	3-70	34	1,105	.03	44	65
93-40-9029	6463542	1440249	11-64	3 305	29,743	3.22	958	55	19,147	3.52	674	7-69	29	1,584	-.09	43	77
93-40-9029	6495314	1438016	11-65	3 305	22,296	3.											

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DDL- LARS
93-49-0182	6310558	1242221	3-65	1 305	20,500	3.46	710	42	16,110	3.77	607	2-70	34	1,076	-.03	35	\$ 57
93-49-0276	6376451	1378585	10-63	2 305	23,415	3.68	862	13	18,145	3.44	624	2-70	29	751	.03	32	46
93-49-0276	6912106	1417208	11-66	2 305	24,485	3.37	826	14	18,310	3.45	631	3-70	40	1,079	-.01	37	59
93-49-9101	6180811	1271810	8-64	3 305	22,903	3.55	812	92	18,066	3.65	660	10-69	42	914	-.05	25	44
93-49-9280	6011379	1295523	1-64	3 291	21,120	3.86	815	41	18,160	3.52	639	2-69	8 41	679	.05	32	44
93-49-9280	6259575	1417290	12-64	1 163	27,810	3.51	977	37	18,360	3.56	654	5-69	8 24	1,026	.02	40	60
93-49-9280	6603396	1383004	7-66	1 250	24,690	3.71	917	46	18,720	3.54	663	2-69	8 36	475	.12	35	41
93-49-9281	5951368	1410237	9-63	4 300	23,235	3.31	770	57	17,770	3.83	681	8-69	35	995	-.08	24	46
93-49-9321	6139589	1237057	6-64	4 300	22,300	3.58	798	67	16,325	3.71	606	1-70	44	1,047	-.05	30	52
93-49-9321	6139592	1410237	8-64	4 302	21,227	3.48	739	59	17,252	3.66	632	3-70	35	777	-.01	26	42
93-49-9321	6525343	1410237	11-65	2 305	20,910	3.96	829	50	17,065	3.67	627	7-69	31	668	.07	34	46
93-50-0062	5525855	1313170	11-61	5 305	26,652	3.59	958	24	19,280	3.51	677	2-69	36	1,410	.00	51	79
93-50-0062	6886766	1377954	4-67	1 305	25,440	3.00	763	23	19,330	3.51	678	10-69	36	867	-.05	24	42
93-50-0072	6512409	1315612	3-66	3 303	24,137	3.17	764	17	17,810	3.40	606	3-70	42	765	-.04	21	37
93-50-0084	5731173	1320747	9-62	2 305	21,080	4.44	937	112	17,145	3.66	627	3-69	36	772	.12	46	58
93-50-0084	6565241	1444935	1-66	2 305	22,305	3.41	760	121	16,525	3.76	622	8-69	34	843	-.06	21	39
93-50-0084	6679098	1438332	8-66	2 305	20,530	3.82	784	137	16,395	3.78	620	8-69	38	796	-.03	25	41
93-50-0084	6758918	1438332	10-66	2 305	21,400	3.74	800	139	16,525	3.76	622	10-69	38	876	-.03	27	45
93-50-0084	6797454	1488323	11-66	2 305	24,485	3.26	798	135	17,750	3.63	644	1-70	28	924	-.08	21	41
93-50-0084	6797460	1444935	12-66	2 305	22,580	3.72	840	132	17,190	3.67	631	12-69	34	806	.00	29	45
93-50-0084	6962826	1458744	8-67	1 305	18,150	3.92	711	146	16,340	3.82	624	9-69	36	711	.00	26	40
93-50-0084	6962830	1385225	9-67	1 305	24,900	3.31	824	140	18,030	3.57	643	1-70	33	899	-.04	27	46
93-50-0084	7018359	1458744	11-67	1 305	22,920	3.55	814	122	18,040	3.55	640	2-70	36	952	-.01	33	52
93-50-0084	7050964	1458744	12-67	1 305	23,110	3.23	746	122	18,040	3.55	640	2-70	36	967	-.05	28	48
93-50-0084	7125534	1458744	1-68	1 305	24,020	3.53	847	122	18,040	3.55	640	2-70	36	1,034	-.02	35	56
93-50-0177	6489607	1282936	2-66	3 305	23,143	3.33	770	66	16,223	3.51	570	3-70	42	1,064	-.04	32	54
93-50-0177	6965131	1480174	4-67	1 305	19,700	3.94	777	49	15,810	3.60	569	10-69	23	592	.07	32	42
93-50-0213	6494140	1450228	2-66	2 305	26,830	3.59	963	58	19,565	3.63	710	3-69	37	1,483	-.04	48	78
93-50-0235	6542954	1305874	10-65	1 305	23,220	3.70	858	18	15,200	3.30	501	2-69	32	704	.04	31	44
93-50-0255	6211253	1199324	2-64	1 300	19,390	3.67	711	126	13,900	3.68	511	10-68	36	919	-.01	31	50
93-50-0255	6239109	1450005	1-65	2 305	20,150	3.45	695	107	14,620	3.64	532	11-69	29	776	-.02	25	41
93-50-0255	6991803	1471750	10-67	1 305	24,370	3.27	796	107	16,110	3.59	579	12-69	22	890	-.06	23	42
93-50-0324	6108326	1295523	1-64	3 305	19,237	4.17	803	37	16,687	3.61	602	1-69	41	613	.09	35	45
93-50-0324	6708621	1467291	9-66	2 305	32,190	3.47	1118	58	17,285	3.67	634	1-70	30	2,252	-.02	78	123
93-50-0324	6759252	1242221	1-67	1 305	22,730	3.88	883	70	17,500	3.63	636	7-69	34	1,152	.03	46	68
93-50-0349	5931175	1199324	7-63	3 302	18,950	3.66	693	46	15,800	3.55	561	1-70	42	848	.00	31	48
93-50-0349	6428720	1330987	2-65	2 299	17,100	4.35	743	56	15,505	3.61	559	6-69	40	501	.13	37	44
93-50-0363	6492548	1341571	2-66	2 305	21,090	4.07	858	19	19,070	3.58	682	4-69	32	435	.16	38	43
93-50-0403	6605425	1299222	8-65	2 305	18,100	3.25	589	13	14,750	3.68	543	5-69	37	846	-.06	21	39
93-50-0404	6384883	1435307	7-65	2 300	20,505	3.65	748	11	16,325	3.75	613	4-70	30	826	-.02	27	44
93-50-0404	6526232	1244009	10-65	1 305	23,170	3.51	813	16	18,050	3.74	675	3-70	36	878	-.07	22	41
93-50-0404	6826497	1330987	1-67	1 305	20,770	4.19	870	16	18,190	3.69	672	3-70	36	569	.09	34	43
93-50-0404	6919371	1467291	7-67	1 305	20,920	4.20	879	13	16,740	3.75	628	11-69	25	893	.08	44	60
93-50-0409	6350924	1244009	7-64	1 305	24,670	3.03	748	33	18,740	3.46	649	12-68	36	943	-.10	19	40
93-50-0409	6648965	1329588	9-65	2 305	24,690	3.75	927	59	21,310	3.48	742	2-70	40	660	.02	27	40
93-50-0426	6290514	1435307	2-65	3 287	16,840	3.72	627	35	14,386	3.58	515	11-69	33	627	.02	25	37
93-50-0426	6391014	1435307	7-65	2 305	22,125	3.09	683	42	15,120	3.47	525	12-69	30	1,144	-.08	29	54
93-50-0426	6716340	1435307	7-66	2 296	20,655	2.94	608	37	14,190	3.52	499	12-69	30	1,070	-.10	23	47
93-50-0426	6747268	1441972	11-66	1 305	19,730	3.83	756	36	14,570	3.45	502	4-69	23	719	.05	33	46
93-50-0599	5361315	1112211	4-61	1 305	23,570	3.59	845	49	17,010	3.49	593	3-69	36	932	-.02	30	49
93-50-0599	5748476	1199324	11-62	1 305	24,150	3.87	934	100	17,110	3.55	607	6-69	36	1,059	.02	41	62
93-50-0599	6057095	1237057	2-64	1 305	28,730	2.71	778	74	18,180	3.56	647	10-69	36	1,133	-.16	16	43
93-50-0599	6158726	1294703	6-64	1 305	22,810	3.26	744	87	17,930	3.56	638	9-69	35	820	-.07	19	37
93-50-0605	6442922	1414609	12-65	1 305	25,020	3.62	906	15	15,620	3.77	589	7-69	23	1,048	.00	38	59
93-50-0605	6631833	1458744	7-66	1 305	20,110	3.17	638	21	16,850	3.73	629	1-69	36	823	-.07	20	38
93-50-0605	6713723	1399824	11-66	2 305	19,720	3.86	762	17	17,100	3.67	627	3-70	40	670	.05	31	43
93-50-0709	6292635	1427381	3-65	3 305	18,083	3.72	672	10	16,296	3.60	587	4-70	34	766	.04	33	47
93-50-9109	5694639	1341571	9-62	3 303	18,280	4.34	793	40	15,360	3.65	560	11-69	35	536	.18	46	52
93-50-9109	5845126	1341571	1-63	4 305	19,357	3.82	739	22	15,110	3.69	557	7-69	37	742	.10	41	53
93-50-9109	5845129	1341571	2-63	4 305	19,962	3.84	766	33	14,862	3.67	545	1-69	37	857	.10	46	60
93-50-9109	6111106	1341571	6-64	3 305	19,133	3.80	728	35	16,753	3.66	613	3-69	35	484	.10	32	39
93-50-9109	6326139	1341571	10-64	2 305	18,805	4.46	839	40	16,730	3.72	623	1-70	32	414	.19	42	46
93-50-9109	6463560	1385036	10-64	3 305	20,950	3.46	724	25	15,506	3.68	571	7-69	42	878	-.07	21	40
93-50-9109	6616407	1341571	8-66	2 301	19,715	3.42	674	39	15,840	3.83	606	10-69	32	611	.02	25	37
93-50-9109	6784867	1466747	12-66	1 305	20,970	3.64	764	44	16,070	3.75	602	1-69	24	675	.00	24	37
93-50-9109	7057543	1341571	1-68	1 305	21,060	3.82	804	39	16,740	3.67	615	3-70	27	547	.10	34	42
93-50-9141	4975476	1189870	11-59	7 289	18,510	3.62	670	111	14,891	3.71	552	12-69	44	693	-.01	24	38
93-50-9141	5388292	1205185	4-61	3 305	19,077	4.18	797	139	15,200	3.59	545	10-68	35	475	.12	35	41
93-50-9141	5769348	1355529	2-63	4 305	21,347	3.40	726	123	15,902	3.63	577	5-69	36	793	-.06	20	37
93-50-9141																	

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB) FAT (%) FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB) FAT (%) FAT (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (LB)	I N O E X..... FAT (%) FAT (LB) OOL- LARS
93-50-9165	6172694	1427381	9-64	3 305 25,590 3.48 891	41 19,706 3.53 696	2-69	34	1,352 .00 49 \$ 76
93-50-9165	6272796	1148993	10-64	3 305 23,487 3.79 890	29 19,817 3.78 750	3-70	41	703 .02 29 42
93-50-9165	6292633	1427381	1-65	3 305 24,570 3.51 863	27 18,883 3.54 669	5-69	34	1,315 .00 48 74
93-50-9165	6292634	1427381	3-65	2 305 22,910 3.47 796	31 18,545 3.43 636	10-68	31	1,091 .02 42 63
93-50-9165	6333028	1427381	4-65	3 305 23,750 3.39 805	35 18,860 3.55 670	9-69	34	1,209 -.02 40 65
93-50-9165	6333033	1427381	7-65	3 300 22,490 4.22 949	35 20,396 3.61 737	1-70	8 34	860 .13 51 65
93-50-9165	6538624	1446145	5-66	2 305 26,345 3.20 843	45 20,500 3.67 753	12-69	29	992 -.10 21 43
93-50-9165	6538625	1427381	3-66	2 305 24,665 3.67 904	37 19,645 3.63 714	10-69	31	1,180 .02 46 69
93-50-9165	6538626	1427381	4-66	2 305 23,180 3.71 860	40 19,590 3.64 714	10-69	31	1,012 .03 41 60
93-50-9165	6625301	1427381	5-66	1 305 22,410 3.57 801	41 19,790 3.42 677	9-68	26	843 .04 36 52
93-50-9165	6625302	1427381	7-66	2 305 25,660 3.68 945	37 19,645 3.63 714	10-69	31	1,297 .03 51 76
93-50-9165	6660569	1464901	10-66	1 305 27,430 3.53 969	31 21,030 3.53 743	12-68	22	845 .02 33 49
93-50-9165	6660573	1427381	10-66	1 305 23,780 4.08 970	37 19,580 3.82 748	7-69	26	978 .07 45 63
93-50-9165	6670797	1458744	7-66	2 305 21,945 3.47 762	40 19,160 3.80 728	11-69	40	860 -.05 24 42
93-50-9165	6689317	1427381	12-66	1 305 24,600 3.89 956	30 20,110 3.66 736	4-69	26	1,008 .05 44 63
93-50-9165	6699032	1427381	12-66	1 305 26,810 3.52 944	28 19,680 3.72 733	5-69	26	1,234 .00 44 69
93-50-9165	6699033	1427381	1-67	1 305 25,750 3.70 952	28 19,680 3.72 733	5-69	26	1,142 .02 44 66
93-50-9165	6761510	1427381	2-67	1 305 24,960 3.63 905	42 21,080 3.82 805	1-70	26	963 .00 35 54
93-50-9165	6761511	1427381	3-67	1 305 27,050 3.59 970	28 19,680 3.72 733	5-69	26	1,255 .00 46 71
93-50-9165	6801001	1427381	5-67	1 305 22,550 3.74 844	39 20,690 3.85 797	3-70	26	784 .01 30 45
93-50-9165	6849114	1467364	7-67	1 305 26,410 3.67 969	48 20,880 3.87 808	2-70	23	686 -.01 24 38
93-50-9165	6887781	1480174	8-67	1 305 24,480 4.02 985	41 19,930 3.80 758	8-69	23	689 .07 35 47
93-50-9165	6899406	1427381	9-67	1 305 22,430 4.00 897	39 20,690 3.85 797	3-70	26	774 .05 35 49
93-50-9165	6916577	1148993	10-65	1 305 27,000 3.55 959	36 21,080 3.52 741	11-68	35	735 .02 29 43
93-50-9208	4891956	1109640	5-58	3 305 23,180 3.45 799	153 16,643 3.58 596	2-69	41	1,104 -.05 32 55
93-50-9208	6832155	1435117	11-66	2 305 24,240 3.40 823	125 17,635 3.61 637	3-70	30	959 -.04 29 49
93-50-9258	5788360	1382958	8-62	4 305 26,140 3.35 876	112 17,805 3.55 632	4-69	40	1,096 -.06 31 54
93-50-9258	5788376	1399607	8-62	5 301 18,438 3.73 688	156 16,892 3.55 600	10-69	38	674 .03 28 41
93-50-9258	5788377	1399607	9-62	5 291 19,412 3.41 661	140 16,554 3.59 594	12-69	38	858 -.04 25 43
93-50-9258	5788380	1399607	9-62	5 299 28,456 3.35 952	126 16,328 3.58 585	1-70	38	2,190 -.07 68 113
93-50-9258	5788381	1399607	9-62	5 305 24,746 3.32 821	153 16,896 3.56 601	7-69	38	1,582 -.06 47 80
93-50-9258	5788384	1399607	10-62	5 301 20,410 3.55 724	153 16,692 3.59 600	9-69	38	984 -.01 34 54
93-50-9258	5788394	1382958	11-62	3 304 27,277 3.39 926	140 17,357 3.60 625	10-69	39	1,209 -.05 36 61
93-50-9258	5850518	1399607	12-62	5 301 22,260 3.33 741	142 16,780 3.59 603	12-69	38	1,239 -.06 36 62
93-50-9258	5850519	1399607	12-62	5 302 19,938 3.63 724	163 16,444 3.59 590	10-69	38	948 .01 35 54
93-50-9258	5850521	1399607	12-62	5 305 20,816 3.56 742	160 16,518 3.58 592	9-69	38	1,065 -.01 37 58
93-50-9258	5855642	1399607	4-63	4 305 21,345 3.50 748	122 16,672 3.59 598	3-69	37	1,094 -.02 37 59
93-50-9258	6469055	1416774	5-64	3 305 23,486 3.44 808	125 17,950 3.55 638	5-69	33	775 -.02 25 41
93-50-9258	6491210	1242221	3-65	3 305 24,217 3.37 815	175 17,677 3.62 640	10-69	41	1,470 -.05 46 76
93-50-9258	6524809	1222994	4-65	3 305 26,857 3.44 924	161 17,933 3.62 650	12-69	42	1,363 -.04 43 71
93-50-9258	6527287	1399607	2-66	2 305 23,225 3.61 838	128 17,825 3.59 640	6-69	33	1,103 -.01 39 61
93-50-9258	6527296	1240549	1-66	2 305 23,535 3.66 861	130 17,775 3.61 641	7-69	40	654 .02 27 39
93-50-9258	6582058	1271810	3-66	2 305 21,920 3.42 749	187 17,495 3.63 635	10-69	40	806 -.07 19 37
93-50-9258	6727942	1399607	8-66	1 305 23,990 3.63 872	164 17,440 3.68 642	9-69	28	1,059 -.01 37 58
93-50-9258	6727943	1399607	8-66	1 305 21,900 3.67 804	156 17,510 3.68 645	8-69	28	877 .00 31 48
93-50-9258	6727944	1399607	9-66	1 305 23,670 3.76 890	128 17,740 3.68 652	5-69	28	1,009 .01 38 58
93-50-9258	6745551	1399607	5-66	1 305 24,520 3.56 872	164 17,050 3.62 617	9-68	28	1,133 -.01 39 62
93-50-9258	6782789	1240549	5-66	2 305 23,110 3.61 834	160 17,430 3.63 633	10-69	40	643 .01 25 37
93-50-9258	6782794	1242221	5-66	1 304 21,800 3.64 794	182 17,610 3.69 649	9-69	34	1,073 .00 38 59
93-50-9258	6782801	1399607	5-66	2 305 23,225 3.71 862	153 17,385 3.65 635	11-69	33	1,148 .01 43 65
93-50-9258	6782806	1399607	5-66	2 305 21,035 3.59 756	162 17,205 3.65 628	9-69	33	917 -.01 31 50
93-50-9258	6791572	1399607	6-66	2 305 19,680 3.83 754	122 17,790 3.64 648	3-70	33	702 .03 29 42
93-50-9258	6823093	1399607	1-67	1 305 25,170 3.43 864	140 17,410 3.68 640	6-69	28	1,161 -.03 37 61
93-50-9258	6837516	1399607	8-66	1 305 22,830 3.48 794	125 17,970 3.64 654	4-69	28	920 -.02 30 49
93-50-9258	6837517	1399607	8-66	1 305 23,760 3.74 888	122 17,840 3.66 653	3-69	28	1,009 .01 38 58
93-50-9258	6837519	1399607	12-66	1 305 19,650 3.65 718	165 17,610 3.69 649	7-69	28	679 .00 24 38
93-50-9258	6837521	1399607	3-67	1 305 23,980 3.51 841	171 17,900 3.66 655	11-69	28	1,023 -.02 34 55
93-50-9258	6837526	1240549	4-67	1 69 25,960 3.75 974	83 18,820 3.66 688	3-70	8 36	601 .03 26 37
93-50-9258	6906835	1491859	6-67	1 305 27,280 3.32 906	122 18,470 3.66 676	2-70	19	880 -.05 24 43
93-50-9261	4977331	1190953	7-59	2 305 17,975 4.32 776	45 15,575 3.54 551	12-68	37	416 .13 34 39
93-50-9261	5143801	1310508	3-60	4 305 20,743 3.71 769	34 16,565 3.63 601	7-69	35	747 .01 28 43
93-50-9261	5431497	1199324	8-61	4 305 24,110 3.57 861	38 16,980 3.59 610	8-69	44	1,371 -.02 47 75
93-50-9261	5683749	1199324	2-62	3 305 20,253 3.76 762	42 16,990 3.64 619	2-69	42	875 .01 33 50
93-50-9261	6287788	1295523	11-64	2 305 21,845 3.09 676	55 16,140 3.63 586	10-69	38	907 -.09 20 40
93-50-9261	6355818	1038509	6-65	2 305 21,225 3.51 746	61 16,275 3.62 589	5-69	40	772 -.05 21 37
93-50-9261	6461693	1242221	12-65	2 305 21,385 3.52 753	59 16,260 3.60 586	4-69	38	1,235 -.02 42 67
93-50-9261	6490255	1240549	4-65	3 187 21,800 3.79 827	83 16,883 3.60 608	4-70	8 42	629 .04 29 40
93-50-9261	6637218	1417208	11-65	2 305 19,500 3.73 727	57 16,260 3.60 586	4-69	40	761 .02 31 45
93-50-9261	6646986	1199324	12-65	1 305 19,940 3.62 722	55 16,350 3.63 594	4-69	36	796 -.02 26 42
93-50-9261	6650479	1417208	5-66	2 305 19,685 3.51 691	40 16,000 3.64 583	11-69	40	803 -.01 28 44
93-50-9261	6656081	1341571	5-66	1 305 19,330 4.24 820	57 16,430 3.62 595	4-69	27	423 .15 37 42
93-50-9261	6851347	1438080	9-66	1 305 22,520 3.15 710	57 16,380 3.64 597	4-69	30	898 -.06 23 42
93-50-9261	6860371	1330987	9-66	1 305 20,880 3.94 823	55 15,530 3.59 557	1-69	36	755 .08 39 52
93-50-9261	6918851	1474567	2-67	1 305 22,660 3.74 848	63 15,540 3.66 568	8-69	19	692 .02 28 41
93-50-9396	4719419	1247349	3-57	3 305 21,547 3.77 813	12 16,600 3.66 607	4-70	31	738 .02 30 44
93-50-9396	6363902	1330987	3-65	3 305 20,317 3.87 787	16 15,993 3.64 582	8-69	42	834 .07 41 56
93-50-9396	6600975	1458744	5-66	2 305 23,920 3.59 859	16 16,960 3.63 615	1-70	40	1,262 -.01 44 69
93-50-9396	6666415	1458744	8-66	1 305 21,520 3.64 783	13 17,980 3.69 663	3-70	36	852 -.01 29 46
93-50-9667	6076052	1295523	1-64	3 305 21,333 3.21 684	24 14,763 3.54 522	4-69	41	1,066 -.06 29 52
93-50-9667	6273234	1427381	1-65	3 305 22,030 3.60 793	33 14,976 3.47 520	12-69	34	1,444 .03 57 85
93-50-9667	6273235	1427381	1-65	3 303 18,450 3.55 655	38 14,780 3.44 509	8-69	34	994 .03 40 59
93-50-9667	6517651	1427381	7-65	2 305 17,330 3.73 646	34 14,075 3.45 485	9-68	31	909 .05 40 57
93-50-9667	6567095	1237057	3-65	3 305 20,187 3.63 733	40 15,133 3.49 528	10-69	42	882 -.02 29 47
93-50-9667	6880522	1427381	8-65	3 305 18,106 3.51 635	20 14,900 3.52 525	1-70	34	935 .01 35 53
93-50-9667	7037737	1427381	5-66	2 301 20,730 3.87 802	37 15,180 3.50 532	8-69	31	1,190 .07 54 76

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HERMATE NO.	MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C D	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS
93-54-0040	6224455	1199324	9-64	1 305	24,680	3.31	818	203	18,460	3.51	648	3-69	36	1,008	-.04	30	\$ 51
93-54-0040	6740247	1242221	9-66	2 305	20,750	3.59	744	127	18,035	3.67	661	12-69	38	1,002	-.01	34	54
93-54-0040	7237126	1413165	3-67	1 305	26,030	3.40	884	172	18,670	3.54	660	4-69	36	938	-.11	18	39
93-54-0040	7431472	1347940	12-67	1 305	22,150	3.77	836	187	19,680	3.61	711	2-70	36	797	.02	31	46
93-54-0065	5327550	1325598	7-60	3 305	25,360	3.36	853	20	15,443	3.43	529	9-69	30	1,584	-.04	51	83
93-54-0094	5304545	1334137	12-60	5 304	21,428	3.68	789	29	15,242	3.69	563	2-70	32	1,001	.01	37	57
93-54-0094	6364054	1242221	2-65	3 305	21,180	3.61	765	44	15,440	3.76	581	10-69	41	1,349	-.02	46	73
93-54-0182	6928157	1383311	3-67	1 305	25,230	3.45	870	22	18,290	3.46	632	12-69	36	794	-.03	24	41
93-54-9016	6047712	1375265	3-64	2 305	24,860	3.08	766	12	17,710	3.22	571	3-69	25	952	-.06	26	46
93-54-9038	5359041	1178318	8-60	2 305	22,200	3.64	808	33	18,075	3.44	621	11-69	38	582	.04	27	38
93-54-9038	6582855	1237057	12-65	2 302	23,590	3.26	769	22	18,770	3.38	634	5-69	40	835	-.07	20	38
93-54-9195	5204801	1189870	8-60	4 305	17,845	4.05	723	23	15,808	3.40	537	2-69	44	491	.10	32	39
93-54-9195	6312409	1222994	9-64	2 305	21,170	3.83	810	13	19,485	3.38	659	4-70	40	529	.06	28	37
93-54-9195	6438764	1444394	7-65	1 305	25,930	3.14	813	7	14,710	3.66	538	7-69	23	1,439	-.08	39	70
93-54-9195	6438765	1444394	7-65	1 305	18,040	3.84	693	6	15,780	3.68	580	11-69	23	637	.01	25	37
93-54-9195	6773179	1444394	9-65	1 305	22,170	3.45	764	8	17,290	3.40	587	4-69	23	888	-.01	31	49
93-54-9195	6812542	1444394	2-67	1 305	25,820	3.32	858	12	17,610	3.40	598	3-69	23	1,192	-.03	38	62
93-54-9195	6849231	1444394	2-67	2 305	24,830	2.98	741	9	18,815	3.47	653	4-70	29	1,171	-.11	25	51
93-54-9195	6849232	1383311	2-67	1 305	24,440	3.34	817	15	18,450	3.34	617	3-69	36	724	-.03	22	37
93-54-9195	6997557	1444394	7-67	1 305	21,370	3.74	799	6	15,710	3.72	584	8-69	23	944	.00	34	53
93-54-9195	7190872	1444394	11-67	1 305	21,910	3.78	828	5	18,100	3.48	630	1-70	23	799	.03	33	48
93-54-9195	7190875	1386406	3-68	1 305	24,400	3.48	848	6	19,860	3.48	691	4-70	36	711	.00	26	40
93-54-9195	7349739	1444394	10-67	1 305	20,700	3.63	751	7	15,600	3.74	583	10-69	23	893	-.01	30	48
93-54-9367	5474182	1357743	9-61	2 305	26,045	3.94	1025	37	18,175	3.79	688	3-69	40	962	.02	37	56
93-54-9367	6614379	1237057	11-65	3 298	25,493	3.72	948	35	18,797	3.70	695	3-70	42	1,113	-.03	36	59
93-54-9367	6892341	1379917	5-66	1 305	26,240	3.35	878	23	17,020	3.91	666	9-69	32	1,215	-.07	33	59
93-54-9367	6892345	1237057	9-65	2 305	23,220	3.79	880	33	19,235	3.72	716	3-69	40	755	-.02	24	40
93-54-9370	6116762	1322863	11-63	4 304	18,393	3.52	648	5	13,693	3.53	484	1-70	41	846	-.02	28	45
93-56-0015	6377393	1236721	5-65	1 305	18,510	3.48	644	352	14,780	3.52	520	2-70	28	712	.00	25	39
93-56-0015	6630589	1236721	5-66	1 297	20,530	3.71	762	214	15,340	3.70	567	9-69	28	839	.00	31	48
93-56-0015	6663002	1236721	7-66	1 267	18,180	3.50	637	314	14,760	3.50	516	3-70	28	685	.00	25	39
93-56-0015	6754418	1445849	10-66	1 270	21,030	3.58	752	333	14,790	3.50	517	3-70	23	750	.00	27	42
93-57-9005	5354544	1299238	1-61	6 300	19,638	3.27	642	53	14,825	3.61	535	7-69	36	873	-.09	18	38
93-57-9005	6478821	1391977	5-65	3 305	20,043	3.48	698	79	13,683	3.66	501	12-69	42	735	-.03	22	37
93-57-9005	6670890	1236721	3-66	2 305	18,085	3.35	606	69	14,540	3.50	509	6-69	34	773	-.02	25	41

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS.

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C REPT	.....C O W MILK (L8)	I N O E X..... FAT (L8)	..... FAT (L8)	..... OOL- LARS			
11-10-0003	2571929	569266	9-63	4 305	13,020	5.73	746	11	10,472	5.18	542	1-69	41	355	.18	34	\$ 37
11-10-0003	2603514	571382	1-65	3 305	12,826	4.72	605	18	10,336	5.21	538	6-69	42	774	-.23	17	34
11-10-0003	2658002	571382	1-66	2 296	11,035	5.23	577	17	9,990	5.23	522	3-69	40	600	-.16	15	28
11-10-0008	2451081	571951	11-61	6 302	15,150	4.24	643	10	10,776	5.04	543	7-69	43	719	-.16	21	36
11-10-0008	2584075	546137	11-64	4 303	13,260	5.81	770	14	11,548	4.81	556	1-70	43	488	.22	45	50
11-10-0008	2603731	569266	2-65	3 305	13,143	5.20	684	5	9,943	5.00	497	11-69	40	404	.11	30	35
11-10-0008	2608064	571382	7-65	3 302	12,053	5.05	609	7	9,940	5.10	507	10-69	42	726	-.17	20	35
11-10-0008	2649308	571382	11-65	2 305	14,930	4.12	615	10	11,295	5.11	577	7-69	40	878	-.31	14	34
11-10-0008	2710073	571382	1-67	2 304	15,860	4.10	650	9	11,460	4.96	568	3-70	40	958	-.31	18	40
11-10-0021	2513407	589477	11-62	5 305	11,718	5.29	620	40	9,428	4.99	470	1-70	42	393	.04	23	29
11-11-0024	2562085	571951	11-63	4 292	13,772	4.72	650	27	9,760	4.95	483	9-68 H	42	635	-.04	28	40
11-11-0024	2737574	583958	11-67	1 280	12,190	4.46	544	26	10,540	4.68	493	3-70	34	504	-.05	21	31
11-11-0024	2737576	577474	10-67	1 305	12,770	4.67	596	23	9,250	4.82	446	11-69	35	494	-.02	23	32
11-12-0008	2435218	585355	1-61	8 301	14,026	5.05	708	26	10,943	5.25	575	2-70	39	620	-.02	29	40
11-12-0008	2568943	546137	7-64	4 304	12,930	5.85	756	31	11,585	4.93	571	7-69	43	442	.21	42	46
11-12-0008	2568944	546137	7-64	3 305	13,923	4.99	695	27	11,640	5.12	596	5-69	42	545	.04	31	40
11-12-0008	2568948	546137	9-64	3 305	14,180	4.94	700	25	11,650	5.14	599	2-69	42	574	.02	31	41
11-12-0008	2609843	546137	12-64	3 305	12,773	5.04	644	28	11,623	5.11	594	6-69	42	412	.05	25	31
11-12-0008	2609854	596832	9-65	3 305	14,540	5.10	741	32	12,026	5.01	603	2-70	36	624	-.04	27	39
11-12-0008	2639126	571382	12-65	3 305	13,640	4.99	680	28	11,986	5.12	614	1-70	42	696	-.19	17	32
11-12-0008	2639128	571382	10-65	3 304	13,996	4.31	603	33	11,283	5.13	579	11-69	42	811	-.30	12	31
11-12-0008	2639130	571382	11-65	2 305	13,515	4.49	607	37	11,200	5.07	568	7-69	40	742	-.24	14	31
11-12-0008	2639132	571382	12-65	3 305	14,566	4.52	658	27	11,600	5.16	599	3-70	42	844	-.27	16	35
11-12-0008	2692540	571382	3-66	2 305	13,335	5.29	705	31	11,490	5.07	582	11-69	40	697	-.13	22	36
11-12-0008	2700568	571382	2-67	1 305	13,430	4.48	602	38	11,520	5.12	590	5-69	35	679	-.24	11	27
11-12-0008	2720436	571382	6-67	1 305	14,200	4.40	625	40	11,430	5.08	581	6-69	35	743	-.25	13	30
11-12-0008	2720450	571951	8-67	1 305	15,880	4.81	764	40	11,550	5.09	588	8-69	34	483	-.02	22	31
11-12-0008	2724244	571382	8-67	1 305	13,310	4.89	651	38	11,600	5.11	593	8-69	35	664	-.20	14	29
11-12-0008	2728961	577474	10-67	1 305	13,890	4.94	686	38	11,980	4.97	596	10-69	35	392	.00	20	27
11-12-0008	2728963	583958	11-67	1 305	13,290	4.93	655	36	12,140	4.98	604	11-69	34	478	-.03	21	30
11-12-0022	2767460	583958	4-68	1 298	12,040	4.71	567	10	10,990	5.10	560	4-70	34	462	-.05	18	27
11-12-0026	2732578	571382	2-67	1 305	12,380	4.22	523	25	9,830	4.92	484	12-69	35	714	-.25	12	28
11-12-0064	2284696	506697	9-57	9 297	12,287	4.99	613	8	9,034	5.10	461	9-69	44	538	-.05	22	32
11-12-0095	2681888	571382	7-66	1 298	13,190	4.47	589	16	10,640	4.89	520	10-69	35	720	-.22	15	31
11-15-0041	2366068	578989	7-59	5 294	12,404	5.13	636	24	9,834	5.20	511	12-69	32	423	.00	21	28
11-15-0041	2581859	546137	10-64	4 289	12,885	5.67	730	32	10,928	5.16	564	10-69	43	510	.14	39	46
11-15-0041	2653424	563813	10-65	3 299	13,230	5.07	671	23	11,250	5.14	578	1-70	42	361	.03	21	27
11-15-0041	2694897	599221	8-66	2 305	13,005	5.24	682	24	10,595	5.26	557	7-69	29	359	.03	21	27
11-15-0179	2631402	546137	11-64	3 297	11,527	4.48	516	9	9,483	4.87	462	1-70	42	492	-.01	24	33
11-18-0004	2369127	465966	2-60	4 302	15,760	4.72	744	7	11,875	5.11	607	11-69	43	598	-.05	25	36
11-18-0004	2531839	497574	10-63	3 305	14,887	4.56	679	7	11,740	5.11	600	9-68	42	737	-.11	26	41
11-18-0004	2548195	497574	11-63	4 303	13,198	4.85	640	10	11,883	5.08	604	1-70	43	530	-.06	21	31
11-18-0004	2590823	497574	1-65	3 305	12,413	4.94	613	8	11,000	5.06	557	3-70	42	526	-.04	23	33
11-18-0004	2596316	497574	11-64	3 305	14,383	4.94	710	5	11,610	5.01	582	5-69	42	691	-.03	32	44
11-18-0004	2657316	563813	3-66	2 305	13,500	4.98	672	8	11,010	4.99	549	1-70	40	382	.03	22	28
11-18-0004	2709515	563813	1-67	2 305	14,675	4.65	683	10	11,040	5.13	566	3-70	40	499	-.03	22	31
11-18-0031	2468069	571951	12-61	7 293	10,627	5.63	598	11	8,984	5.32	478	2-70	43	332	.07	23	28
11-20-0083	2717510	571382	7-66	2 305	14,610	4.45	650	16	11,085	4.73	524	8-69	40	865	-.22	22	41
11-21-0037	2574881	569266	10-64	3 305	13,990	4.81	673	13	10,133	5.10	517	3-69	40	484	.02	26	34
11-21-0037	2710468	571382	3-67	1 305	11,700	4.76	557	13	8,420	5.27	444	9-69	35	759	-.22	17	34
11-21-0037	2728338	571382	6-67	1 305	11,070	4.81	533	13	8,420	5.27	444	9-69	35	711	-.22	15	31
11-21-0037	2728339	577474	10-67	1 294	11,430	5.17	591	7	9,210	5.11	471	11-69	35	394	.01	21	28
11-21-0037	2747253	583958	1-68	1 305	12,360	4.91	607	6	10,650	4.89	521	2-70	34	510	-.03	23	32
11-23-0052	2691992	604483	11-66	2 305	13,535	4.85	656	9	10,495	4.86	510	1-70	25	406	.00	20	27
11-23-0092	2468424	588388	11-61	7 300	11,868	4.85	576	38	9,988	5.10	509	12-69	37	522	-.11	16	27
11-23-0092	2588208	546137	11-64	4 295	11,133	4.81	536	43	10,033	5.03	505	12-69	43	392	.03	22	28
11-23-0092	2664804	592073	11-65	3 305	13,363	5.02	671	51	9,726	5.04	490	11-69	41	508	.09	34	41
11-23-0092	2681475	572331	6-66	2 305	12,385	4.39	544	67	9,525	5.00	476	9-69	35	791	-.17	23	40
11-23-0092	2681483	572331	5-66	2 303	13,250	4.54	601	53	9,500	4.92	467	6-69	35	888	-.15	30	48
11-23-0092	2692545	571382	8-66	2 294	11,295	4.61	521	53	9,630	4.90	472	5-69	40	660	-.20	14	29
11-23-0092	2700550	592073	3-67	1 305	12,640	4.82	609	44	9,740	4.96	483	6-69	35	308	.08	23	27
11-23-0092	2737748	583958	8-67	1 304	15,330	4.77	732	50	10,210	5.10	521	12-69	34	769	-.06	33	47
11-23-0092	2742688	583958	11-67	1 305	13,380	4.75	636	60	10,070	5.09	513	11-69	34	629	-.06	26	38
12-11-0103	2550087	589746	1-64	4 305	11,907	5.82	693	18	9,530	5.17	493	6-69	37	403	.13	32	37
12-11-0103	2572358	546137	9-64	4 305	11,628	4.94	575	22	9,250	5.09	471	9-69	43	542	.04	31	40
12-11-0103	2616812	546137	7-65	3 305	10,897	5.41	589	22	9,887	5.05	499	4-70	42	376	.11	29	34
12-11-0103	2681819	546137	3-66	1 305	11,950	5.17	618	18	10,780	5.07	547	3-69	35	374	.07	25	30
12-11-0103	2749681	583958	2-68	1 305	11,470	4.74	544	18	10,400	5.08	528	3-70	34	459	-.05	18	27
12-11-0103	2759820	583958	4-68	1 305	12,100	4.48	542	18	10,400	5.08	528	3-70	34	507	-.08	18	28
12-11-0176	2734499	546137	10-67	1 305	11,360	4.52	513	14	9,610	5.25	505	1-70	35	409	-.01	20	27
12-12-0101	2683482	602784	12-66	1 305	13,000	5.1											

TABLE 4. JERSEY USOA-OMIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..OOL- LARS
12-13-0200	2531554	577474	8-63	4 278	13,018	4.67	608	18 10,045	4.98	500	1-70	42	585	-.05	25	\$ 36
12-13-0200	2627209	598125	2-65	3 305	13,696	4.78	654	19 10,430	5.00	521	3-70	38	539	-.06	21	31
12-13-0200	2627220	600353	10-65	2 305	13,665	4.84	662	16 10,590	4.97	526	5-69	29	467	-.01	22	30
12-13-0200	2702991	600353	11-66	1 305	14,060	4.70	661	16 9,320	5.10	475	9-69	23	513	-.05	21	31
12-13-0200	2702998	577474	12-66	1 305	12,200	5.01	611	18 10,000	5.01	501	8-69	35	399	.01	21	28
12-15-0169	2333599	480642	7-58	6 305	14,693	4.36	641	12 9,680	5.22	505	5-69	44	901	-.23	23	42
12-15-0169	2556667	557682	12-63	4 275	12,550	5.41	679	16 10,508	5.19	545	3-70	42	501	-.04	21	30
12-16-0149	2492310	588388	10-62	5 304	13,016	4.51	587	6 9,552	5.04	481	5-69	37	747	-.17	21	37
12-16-0149	2693457	577474	12-66	2 305	12,070	4.93	595	15 10,645	4.66	496	12-69	39	374	.04	22	28
12-16-0149	2734070	583958	11-67	1 305	12,750	4.36	556	20 11,080	4.76	527	2-70	34	510	-.07	19	29
12-17-0133	2405578	522499	2-61	7 305	11,377	4.67	531	37 8,784	5.20	457	7-69	43	530	-.08	19	30
12-17-0133	2471555	577474	9-59	4 305	11,580	5.13	594	45 9,728	5.35	520	3-69	42	440	-.01	21	29
12-17-0133	2560084	594846	10-63	5 276	14,832	4.27	633	41 10,294	5.25	540	3-70	41	694	-.22	14	30
12-17-0133	2584723	557682	11-63	4 300	12,153	5.12	622	46 8,990	5.23	470	7-69	42	624	-.09	23	35
12-17-0133	2588652	557682	11-64	2 305	14,625	4.45	651	35 10,465	5.09	533	11-69	39	684	-.18	17	32
12-17-0133	2602642	577474	7-64	4 281	11,655	5.21	607	47 10,078	5.35	539	11-69	42	410	.01	21	28
12-17-0133	2654182	571382	1-66	3 301	12,656	4.76	603	68 10,396	5.26	547	1-70	42	748	-.22	16	33
12-17-0133	2654183	571382	1-66	2 305	11,240	5.00	562	48 9,445	5.35	505	8-69	40	671	-.20	15	30
12-17-0133	2676740	577474	4-66	2 305	12,570	5.29	665	56 9,480	5.24	497	8-69	39	534	.02	29	38
12-17-0133	2678214	571951	11-66	2 300	12,690	5.39	684	74 10,645	5.22	556	2-70	38	353	.04	21	27
12-17-0133	2779804	571382	7-66	2 296	11,745	5.08	597	64 10,495	5.34	560	12-69	8 40	626	-.19	13	27
12-17-0135	2477325	560227	3-62	5 297	16,380	4.57	749	7 12,732	5.00	636	4-69	41	721	-.13	24	39
12-17-0135	2490916	567370	4-62	4 305	14,565	5.05	735	5 12,865	5.02	646	6-69	44	442	-.01	21	29
12-17-0152	2535241	567370	7-63	3 226	12,253	5.18	635	7 10,393	4.89	508	7-69	8 42	418	.02	23	30
12-17-0152	2540710	497574	11-63	4 277	12,448	4.76	592	7 11,260	4.80	541	3-69	8 43	506	-.04	22	31
12-17-0152	2543804	497574	10-63	3 265	12,190	4.77	581	7 11,040	4.89	540	4-69	8 42	496	-.04	21	30
12-18-0108	2548105	570824	12-62	4 300	12,780	5.23	668	22 9,625	5.03	484	9-69	41	402	.03	23	30
12-18-0108	2576248	588352	8-62	4 297	12,845	4.90	630	6 10,170	4.92	500	3-69	33	438	.01	23	30
12-18-0108	2673492	571382	4-66	2 305	12,605	4.49	566	16 10,310	5.15	531	10-69	40	731	-.25	13	30
12-18-0108	2750493	571382	9-67	1 282	12,850	4.27	549	19 9,690	5.27	511	12-69	35	759	-.27	12	30
12-18-0113	2200304	480642	11-56	8 303	12,933	4.74	613	13 9,679	5.43	526	1-69	44	672	-.17	17	32
12-18-0124	2691415	560800	7-66	2 300	10,990	4.39	483	18 7,225	5.08	367	4-70	40	630	-.10	22	35
12-18-0165	2536978	557682	12-63	4 302	12,915	4.68	604	8 9,748	5.30	517	6-69	42	634	-.18	15	29
12-18-0165	2613900	598150	9-65	3 305	13,143	4.96	652	17 9,853	5.17	509	11-69	33	685	-.07	28	41
12-18-0165	2656583	563813	10-65	3 301	12,503	5.20	650	49 10,530	4.93	519	10-69	42	352	.07	24	29
12-18-0165	2675938	589884	9-66	1 305	13,790	4.99	688	22 9,430	5.11	482	11-68	19	420	-.01	20	27
12-18-0165	2681325	598150	9-66	1 305	13,920	4.99	695	6 10,250	5.28	541	5-69	24	600	-.06	24	35
12-18-0178	2566753	563805	7-64	4 305	12,505	5.06	633	24 10,808	5.02	543	1-70	42	496	.03	28	36
12-18-0178	2573100	580834	5-64	5 284	12,346	4.98	615	10 10,632	4.88	519	2-70	39	454	-.05	18	27
12-18-0178	2573103	580834	9-64	3 305	13,170	5.16	679	16 10,133	5.10	517	5-69	36	594	-.05	25	36
12-18-0178	2588584	564125	1-65	3 305	14,750	4.52	666	26 10,477	5.01	525	1-70	42	585	-.09	21	33
12-18-0178	2680659	563805	4-66	2 305	10,965	5.34	585	32 9,840	5.10	502	7-69	38	399	.05	25	31
12-18-0178	2688884	598929	12-65	2 305	13,825	4.85	671	43 10,005	5.10	510	11-69	37	531	-.09	18	29
12-18-0178	2733122	580834	10-67	1 305	14,590	4.37	638	43 10,040	5.08	510	11-69	28	605	-.16	15	28
12-18-0194	2762113	592073	6-67	1 305	11,760	5.50	647	7 8,840	5.38	476	9-69	35	303	.13	27	30
12-18-0208	2654567	571382	2-66	2 305	11,500	4.47	514	14 8,145	4.91	400	2-70	40	817	-.23	19	37
13-01-0260	2240113	480642	5-57	9 301	13,941	4.59	640	12 9,682	5.23	506	6-69	44	803	-.18	23	40
13-01-0260	2691081	600211	12-66	1 305	12,700	5.20	660	36 9,830	5.14	505	11-69	33	397	.02	22	29
13-01-0613	2698725	571382	10-66	2 305	10,690	4.81	514	15 8,935	5.25	469	2-70	40	662	-.21	13	28
13-02-0041	2750307	585348	11-67	1 305	13,850	5.12	709	52 9,670	5.52	534	12-69	35	529	-.07	20	30
13-03-0120	2630361	546137	10-65	3 303	12,163	5.39	656	17 10,160	5.28	536	12-69	42	495	.09	33	40
13-03-0144	2392755	577474	11-60	3 305	13,013	4.84	630	18 8,897	5.04	448	10-69	41	682	-.02	32	44
13-03-0211	2642669	522499	8-61	4 302	12,495	4.48	560	25 9,795	5.25	514	3-70	42	545	-.12	16	27
13-03-0211	2674729	574470	11-64	4 302	11,980	5.02	601	23 9,797	5.30	519	3-70	41	445	-.04	19	27
13-03-0211	2683363	557682	8-66	2 305	12,405	5.09	632	31 9,750	5.39	526	10-69	39	521	-.11	16	27
13-03-0211	2683366	557682	10-66	2 305	14,005	4.43	621	28 9,720	5.40	525	8-69	39	689	-.20	15	30
13-03-0223	2409486	522499	8-60	8 300	10,895	5.00	545	14 8,589	5.33	458	8-69	43	490	-.04	21	30
13-03-0223	2562606	577474	2-64	4 303	10,470	5.99	627	10 9,415	5.12	482	3-70	42	336	.14	30	34
13-03-0331	2502651	591759	12-62	6 290	12,151	5.36	651	22 9,870	5.07	500	11-69	37	443	.02	24	31
13-03-0331	2502653	591759	1-63	2 305	14,270	4.67	667	27 10,200	4.96	506	12-68	32	588	-.09	21	33
13-03-0331	2714017	600383	9-65	3 293	13,007	4.93	641	26 10,180	5.04	513	9-69	29	422	-.02	19	27
13-04-0420	2701194	571382	7-66	1 305	12,630	4.72	596	17 10,220	5.03	514	10-68	35	707	-.21	15	31
13-04-0420	2701196	571382	11-66	2 305	13,130	4.00	525	17 9,985	4.85	484	10-69	40	815	-.29	13	32
13-04-0420	2701197	571382	12-66	2 304	14,720	4.16	612	21 10,380	4.90	509	11-69	40	941	-.29	19	40
13-04-0420	2701198	571382	12-66	2 305	12,770	4.59	586	21 10,380	4.90	509	11-69	40	742	-.21	17	33
13-04-0443	2408452	546137	11-60	6 303	12,255	5.50	674	22 10,680	5.21	556	7-69	44	467	.11	34	40
13-06-0006	2718530	585355	1-67	1 293	12,270	4.88	599	24 9,610	4.85	466	5-69	29	406	.01	21	28
13-06-0216	2645179	546137	7-65	1 305	11,890	5.52	656	41 8,910	4.96	442	6-69	35	497	.11	35	42
13-06-0216	2764408	583958	9-67	1 305	13,740	4.51	619	37 8,920	5.40	482	10-69	34	736	-.10	27	42
13-06-0216	2777022	583958	10-67	1 285	11,910	4.84	576	35 9,340	5.26	491	11-69	34	566	-.06	23	34
13-06-0455	2656471	571382	10-65	2 305	11,855	4.57	542	33 9,150	4.80	439	1-69	40	761	-.20	19	36
13-06-0455	2706652	571382	10-66	2 305	10,875	4.75	517	27 9,275	4.85	450	3-70	40	650	-.18	15	

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	..... OOL- LARS		
13-09-0003	2656577	571382	11-65	3 287	13,600	3.97	540	54	11,220	4.78	536	12-69	42	772	-.31	9	\$ 28
13-09-0003	2656582	563813	10-65	3 299	13,787	4.74	654	63	11,083	4.77	529	9-69	42	444	-.02	24	31
13-09-0003	2656586	563813	8-65	3 305	12,423	5.10	633	24	10,937	4.70	514	4-70	42	300	-.09	23	27
13-09-0003	2704838	571382	8-66	2 304	12,865	4.38	563	64	11,260	4.77	537	12-69	40	671	-.23	12	27
13-09-0003	2704843	571382	10-66	1 305	15,020	4.33	651	55	11,430	4.73	541	9-69	35	805	-.23	18	36
13-09-0010	2371270	579169	12-59	9 293	13,114	4.67	612	9	10,888	5.14	560	10-69	38	461	-.05	18	27
13-09-0010	2371272	579169	2-60	8 300	13,318	4.85	646	9	11,215	5.08	570	5-69	38	448	-.00	22	30
13-09-0010	2618341	579169	8-65	3 303	13,256	4.62	613	7	10,223	5.12	523	9-69	36	525	-.05	22	32
13-09-0013	2432507	546137	1-61	7 305	11,753	4.75	558	16	9,837	5.04	496	12-69	44	500	-.01	26	35
13-09-0013	2632607	546137	8-65	3 304	11,170	5.09	568	18	9,943	5.01	498	2-70	42	402	-.07	27	33
13-09-0139	2451406	593891	1-62	4 305	12,698	5.38	683	13	9,558	5.40	516	10-69	35	467	-.05	28	35
13-09-0139	2627261	595217	12-64	4 299	12,692	5.15	654	13	10,277	5.40	555	11-69	33	457	-.05	18	27
13-09-0139	2627262	595217	2-65	3 305	13,873	4.48	622	10	9,503	5.51	524	7-69	32	693	-.19	17	32
13-09-0139	2627269	585355	9-65	3 297	11,696	5.26	615	21	9,576	5.38	515	8-69	37	438	-.00	22	30
13-09-0173	2543191	567654	1-64	3 303	11,173	5.07	566	11	8,460	5.27	446	8-69	33	419	-.02	19	27
13-09-0173	2584091	546137	1-65	2 305	11,550	5.38	621	18	10,180	5.01	510	5-69	40	408	-.10	30	35
13-09-0173	2707446	571382	9-66	2 305	10,350	5.23	541	15	8,255	5.29	437	10-69	40	690	-.16	19	34
13-09-0191	2661617	587122	9-62	1 305	11,630	5.60	651	14	8,040	5.17	416	9-69	19	334	-.06	22	27
13-09-0208	2690144	571382	1-67	1 305	14,820	4.35	645	17	12,730	4.73	602	12-68	35	701	-.23	13	29
13-09-0325	2670627	576127	10-65	3 302	10,820	4.80	519	13	8,227	5.12	421	10-69	41	388	-.01	20	27
13-09-0403	2632010	546137	9-60	4 303	16,030	5.26	843	22	11,348	4.79	544	2-70	43	855	-.14	56	69
13-09-0403	2683903	571382	12-65	3 302	13,723	4.68	642	30	10,806	4.90	530	12-69	42	829	-.20	22	40
13-09-0403	2739335	583958	8-67	1 305	12,470	5.44	678	31	10,890	4.96	540	9-69	34	502	-.03	28	36
13-09-0409	2421451	567654	12-59	7 305	14,465	4.37	632	30	10,397	5.16	536	10-69	36	691	-.16	19	34
13-09-0409	2421454	581189	11-60	7 304	12,578	4.92	619	52	10,632	5.11	543	9-69	35	432	-.03	19	27
13-09-0409	2448943	581189	9-61	6 305	13,928	4.34	605	56	10,850	5.07	550	4-69	35	607	-.15	16	29
13-09-0409	2448945	581189	8-61	7 304	13,854	5.02	695	42	11,127	5.04	561	1-70	35	558	-.00	28	38
13-09-0409	2584929	596832	10-64	4 296	13,437	4.80	645	68	10,665	5.10	544	10-69	37	658	-.11	22	35
13-09-0409	2665936	571382	6-65	2 305	15,345	3.99	613	58	10,835	5.10	553	1-69	40	962	-.34	15	37
13-09-0409	2677750	571382	9-65	3 298	13,410	4.70	630	58	10,996	5.12	563	12-69	42	773	-.23	17	34
13-09-0409	2700227	571382	10-66	2 305	14,290	4.63	661	44	11,235	5.13	576	3-70	40	818	-.24	18	36
13-09-0409	2700230	596832	9-66	2 305	12,480	5.13	640	43	11,160	5.04	563	3-70	34	450	-.05	18	27
13-09-0409	2711941	546137	2-67	1 305	13,740	5.01	688	70	11,250	5.13	577	10-69	35	477	-.05	29	36
13-09-0409	2711942	571382	3-67	1 305	13,470	4.51	607	54	11,050	5.25	580	9-69	35	714	-.25	12	28
13-09-0409	2711943	571382	5-67	1 305	17,170	4.44	763	54	11,050	5.25	580	9-69	35	993	-.26	24	46
13-09-0409	2712063	571382	1-67	1 299	16,980	4.05	688	72	11,170	5.23	584	11-69	35	970	-.31	18	40
13-09-0420	2485044	592586	2-62	5 301	12,808	4.97	636	18	9,884	5.10	504	9-68	34	529	-.01	26	35
13-09-0420	2684033	571382	2-66	2 305	13,335	4.48	597	17	10,470	5.11	535	12-69	40	791	-.25	15	33
13-09-0420	2692841	571382	6-66	2 305	14,210	4.17	593	11	10,850	5.06	549	2-70	40	845	-.29	14	34
13-09-0420	2692842	584458	7-66	2 296	12,935	5.44	704	15	11,775	4.74	558	2-70	39	437	-.04	26	33
13-09-0420	2694796	571382	6-66	2 305	14,205	4.89	695	17	10,130	5.12	519	9-69	40	911	-.19	27	46
13-09-0420	2702639	571382	8-66	2 300	13,405	4.57	613	9	11,400	4.98	568	3-70	40	713	-.23	14	30
13-09-0420	2717869	571382	11-66	1 305	12,830	4.72	605	9	11,310	5.08	575	2-70	35	648	-.21	12	27
13-09-0532	2356408	577244	9-59	9 305	13,164	5.28	695	14	9,896	5.55	549	12-69	36	511	-.02	27	36
13-09-0532	2580534	594913	7-64	4 304	13,252	5.66	750	11	10,460	5.44	569	2-70	35	418	-.11	31	37
13-09-0532	2734075	606982	9-67	1 305	13,370	5.14	687	15	9,590	5.65	542	9-69	22	451	-.05	18	27
13-09-0707	2679932	593816	10-66	1 305	12,230	4.88	597	10	10,320	5.10	526	9-68	25	411	-.00	21	28
13-09-0707	2734063	563813	9-67	1 305	13,590	5.42	736	10	10,330	5.20	537	9-69	35	371	-.07	25	30
13-09-0802	2546206	546137	11-63	3 305	12,980	5.52	717	12	9,730	5.31	517	6-69	42	635	-.11	42	51
13-09-0802	2546207	546137	11-63	3 304	12,240	5.55	679	16	10,110	5.26	532	1-70	42	509	-.11	36	43
13-09-0802	2612185	571382	9-65	3 305	12,530	4.45	558	17	9,996	5.32	532	10-69	42	775	-.28	12	30
13-09-0802	2679787	571382	9-66	2 290	11,900	5.03	598	18	9,765	5.43	530	9-69	40	709	-.20	16	32
13-09-0802	2711615	571382	1-67	1 305	12,140	5.31	645	20	9,830	5.44	535	9-69	35	696	-.18	18	33
13-09-0808	2397619	539965	9-60	7 303	11,841	5.56	658	42	10,057	5.37	540	11-69	36	329	-.06	22	27
13-09-0808	2506868	567370	8-62	4 302	13,308	4.98	663	53	9,785	5.43	531	10-69	44	629	-.07	25	37
13-09-0808	2506878	567370	9-62	4 305	11,793	6.00	708	51	10,215	5.40	552	1-70	44	394	-.09	28	33
13-09-0808	2506886	567370	11-62	4 305	12,998	5.61	729	28	9,910	5.43	538	8-69	44	577	-.03	32	42
13-10-0004	2105404	478521	9-55	11 299	11,769	5.68	668	27	9,552	5.27	503	7-69	38	387	-.07	26	32
13-10-0004	2344134	522499	8-59	6 305	12,642	5.09	643	22	9,522	5.19	494	4-69	33	609	-.01	30	41
13-10-0004	2384976	522499	8-59	8 303	12,620	4.81	607	24	9,484	5.19	492	9-69	43	610	-.06	25	37
13-10-0004	2584086	546137	10-64	3 303	12,823	5.67	727	30	10,267	5.18	532	12-68	42	561	-.15	42	49
13-10-0004	2584087	546137	12-64	4 302	11,253	5.90	664	32	10,120	5.26	532	10-69	43	398	-.16	35	39
13-10-0004	2584088	546137	1-65	4 305	12,028	4.86	585	15	10,565	5.08	537	4-70	43	444	-.02	24	31
13-10-0004	2584093	546137	2-65	4 295	13,213	4.95	654	31	10,360	5.19	538	1-70	43	615	-.02	33	43
13-10-0004	2723184	583958	8-67	1 305	12,620	4.33	546	23	9,740	5.54	540	8-69	34	593	-.13	17	29
13-10-0009	2692232	577474	10-66	2 305	12,265	5.06	621	21	10,085	4.99	503	2-70	39	446	-.02	24	31
13-10-0009	2700554	585348	11-66	2 305	13,680	4.94	676	33	10,560	5.17	546	11-69	40	530	-.07	20	30
13-10-0009	2720250	602856	11-66	1 305	14,400	5.07	730	28	9,730	5.31	517	11-69	23	469	-.03	21	30
13-10-0035	2542991	591147	2-63	4 305	14,755	4.30	635	20	10,700	5.08	544	5-69	42	645	-.15	18	32
13-10-0035	2552579	567370	5-63	4 304	12,760	5.27	673	21	11,053	5.14	568	3-70	44	420	-.01	22	29
13-10-0035	2606732	567															

TABLE 4. JERSEY USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8) FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8) FAT (%) FAT (L8)	LAST T CALVO C MO-YR O	.....C O W MILK (L8)	I N O E X..... FAT (%) FAT (L8)	..... OOL- LARS
13-12-0114	2683718	563805	3-66	3 299 11,187 4.96 555	29 9,823 5.11 502	1-70	41	434 .00 22	\$ 30
13-12-0114	2686893	602830	10-65	2 305 12,285 5.19 637	26 8,830 5.30 468	9-68	25	437 .00 22	30
13-12-0114	2736185	560800	10-67	1 305 12,490 4.77 596	30 9,820 5.10 501	11-69	35	489 -.06 19	28
13-12-0244	2682737	601852	4-66	1 305 12,960 5.02 650	20 10,410 4.83 503	9-68	32	338 .11 27	31
13-13-0019	2293570	480642	10-58	6 302 12,773 4.33 553	39 9,593 5.24 503	1-69	44	661 -.22 12	27
13-13-0019	2445857	522499	9-61	5 293 11,188 5.64 631	58 9,208 5.15 474	10-69	43	455 .08 30	37
13-13-0019	2493151	574470	8-62	6 291 11,271 5.28 595	49 9,308 5.19 483	1-70	42	420 .02 23	30
13-13-0019	2618600	599101	9-65	3 304 12,203 4.90 598	59 9,070 5.33 483	10-69	39	496 -.04 21	30
13-13-0019	2743710	583958	11-67	1 305 12,610 4.61 581	64 9,430 5.39 508	11-69	34	614 -.09 22	34
13-14-0108	2690928	577474	9-66	2 305 14,380 3.98 573	38 9,945 4.83 480	12-69	39	678 -.14 21	35
13-14-0108	2690931	577474	10-66	2 292 14,605 4.31 630	43 10,130 4.87 493	10-69	39	684 -.09 26	39
13-14-0108	2690932	577474	11-66	1 305 12,490 5.32 665	44 9,910 4.94 490	11-68	35	427 .05 26	33
13-14-0108	2690935	577474	1-67	2 295 12,155 4.83 587	34 10,160 4.87 495	12-69	39	428 .00 21	29
13-14-0117	2584104	546137	7-62	1 305 10,890 5.96 649	40 9,090 5.06 460	2-69	35	409 .15 34	39
13-14-0143	2658433	571382	11-65	2 305 11,095 5.14 570	12 10,035 5.22 524	5-69	40	602 -.17 14	27
13-14-0170	2576786	552844	10-64	4 305 13,868 5.28 732	27 11,705 4.90 574	10-69	43	346 .05 22	27
13-14-0170	2637987	571382	9-65	2 305 14,785 4.36 645	16 10,205 5.00 510	7-69	40	963 -.26 23	44
13-14-0170	2692963	571382	10-66	2 304 13,805 4.23 584	22 11,455 4.93 565	10-69	40	748 -.28 11	29
13-14-0170	2692965	571382	9-66	1 305 15,260 4.52 690	25 11,730 4.93 578	11-68	35	803 -.23 18	36
13-14-0170	2692967	571382	9-66	2 305 15,955 4.29 684	20 11,570 4.93 570	9-69	40	957 -.27 21	42
13-14-0170	2692969	571382	8-66	2 305 14,290 4.60 658	24 11,930 4.95 590	12-69	40	754 -.22 17	34
13-14-0170	2692970	571382	10-66	2 296 17,165 4.69 805	22 11,750 4.96 583	1-70	8 40	1,064 -.21 32	54
13-14-0170	2731287	577474	10-67	1 305 14,530 5.11 742	30 11,720 4.86 570	10-69	35	459 .03 26	33
13-14-0170	2777088	592073	12-67	1 300 14,730 5.08 749	32 11,860 4.86 576	11-69	35	322 .13 28	32
13-14-0202	2343132	567187	4-59	8 304 12,496 4.70 587	37 9,142 5.43 496	10-68	37	568 -.12 17	29
13-14-0202	2346340	577474	6-59	3 301 12,137 4.89 594	36 9,407 5.36 504	5-69	41	526 -.05 22	32
13-14-0202	2400718	522499	9-60	6 295 12,717 5.40 687	46 9,320 5.43 506	3-70	43	643 .02 34	45
13-14-0202	2525002	567187	1-63	4 305 12,050 5.17 623	52 8,900 5.55 494	11-69	36	517 -.04 22	32
13-14-0202	2572362	546137	11-64	4 298 12,400 4.55 564	39 9,378 5.31 498	9-69	43	624 -.06 26	38
13-14-0202	2649602	598870	12-63	4 298 12,807 5.18 663	45 9,827 5.44 535	12-69	32	554 -.03 25	35
13-14-0202	2688265	602283	7-66	2 303 12,375 4.71 583	49 9,170 5.56 510	8-69	37	604 -.15 16	29
13-14-0202	2704440	577474	9-66	2 305 11,020 5.67 625	61 9,375 5.55 520	11-69	39	383 .04 23	29
13-14-0202	2704641	577474	11-66	1 305 13,870 5.91 820	43 9,830 5.32 523	3-69	35	538 .09 35	43
13-14-0202	2713596	560800	3-67	1 264 13,470 4.45 600	40 9,690 5.28 512	4-69	8 35	571 -.11 18	30
13-14-0202	2726902	583958	8-67	1 305 10,380 5.68 590	41 8,810 5.58 492	8-69	34	485 .00 24	33
13-14-0202	2726904	583958	9-67	1 305 11,050 5.76 636	41 8,810 5.58 492	8-69	34	536 .01 28	37
13-14-0202	2726905	583958	8-67	1 305 10,690 6.51 696	50 9,170 5.66 519	9-69	34	484 .06 30	37
13-14-0202	2726906	583958	8-67	1 305 10,710 5.09 545	50 9,170 5.66 519	9-69	34	485 -.06 19	28
13-14-0202	2726908	583958	8-67	1 305 10,120 5.86 593	41 8,810 5.58 492	8-69	34	465 .01 24	32
13-14-0202	2726910	583958	8-67	1 305 11,950 5.06 605	56 9,140 5.67 518	11-69	34	583 -.05 24	35
13-14-0202	2734579	583958	11-67	1 305 12,320 5.75 709	56 9,140 5.67 518	11-69	34	611 .02 32	42
13-14-0202	2734580	583958	12-67	1 282 10,920 5.65 617	56 9,140 5.67 518	11-69	34	504 -.01 24	33
13-14-0202	2734581	583958	11-67	1 292 11,070 4.91 544	49 9,290 5.67 527	12-69	34	505 -.08 18	28
13-14-0208	2605103	585355	8-65	2 305 11,260 5.91 665	10 9,300 5.25 488	1-70	34	391 .11 30	35
13-14-0212	2514668	560227	11-62	5 301 13,120 5.22 685	15 10,860 5.20 565	4-69	41	504 -.01 24	33
13-14-0212	2536200	577474	8-63	3 305 13,473 4.88 657	15 10,757 5.35 575	5-69	41	540 -.05 22	32
13-14-0212	2726944	577474	6-67	1 305 12,510 5.68 710	15 10,700 5.35 572	12-69	35	374 .05 23	29
13-14-0214	2544395	588001	8-63	5 303 12,752 5.11 651	14 10,590 5.17 548	1-70	36	398 .00 20	27
13-14-0316	2627776	577474	2-65	3 304 11,510 5.84 672	24 10,057 5.24 527	3-70	41	384 .11 29	34
13-14-0316	2627782	557682	10-65	3 305 12,610 5.18 653	21 10,123 5.27 533	3-70	41	534 -.09 18	29
13-14-0316	2741583	557682	3-67	1 305 15,430 4.70 725	21 10,660 5.29 564	9-69	35	631 -.15 17	30
13-14-0329	2178776	547404	11-56	3 305 13,437 4.80 645	19 10,020 5.27 528	4-69	33	533 -.08 19	30
13-14-0329	2341885	563805	3-59	3 305 11,433 4.57 522	34 9,567 5.28 505	2-69	41	490 -.07 18	28
13-14-0329	2542523	588103	11-63	3 305 12,780 5.39 689	21 10,226 5.27 539	12-69	35	462 -.01 22	30
13-14-0419	2697801	585355	8-66	1 305 10,310 5.20 536	28 7,790 5.06 394	10-68	29	379 .02 21	27
13-14-0419	2705276	585355	9-66	1 298 10,860 4.99 542	48 7,900 4.68 370	5-69	29	417 .02 23	30
14-10-0002	2305410	497574	2-59	7 305 12,927 4.75 614	63 10,984 5.27 579	11-68	44	605 -.10 21	33
14-10-0002	2384555	576127	8-60	4 303 14,168 5.12 725	96 11,190 5.31 594	9-69	42	494 .02 27	35
14-10-0002	2403919	572331	1-61	6 305 12,646 5.04 637	68 11,060 5.33 589	9-68	40	685 -.12 23	37
14-10-0002	2439553	553236	5-61	5 305 13,190 5.02 662	76 11,520 5.21 600	12-69	42	483 .01 25	33
14-10-0002	2468661	572331	1-62	4 305 13,032 5.20 678	78 11,245 5.34 601	11-69	39	711 -.09 27	41
14-10-0002	2498670	571291	9-62	3 305 14,890 4.26 634	75 11,430 5.19 593	8-69	42	550 -.12 16	28
14-10-0002	2509739	563805	12-62	4 305 12,745 5.39 687	85 11,465 5.28 605	3-70	42	451 .06 28	35
14-10-0002	2518400	572331	4-63	5 305 14,610 5.20 760	75 11,048 5.26 581	2-70	40	960 -.07 41	59
14-10-0002	2541855	572331	1-64	4 305 16,280 5.09 829	82 11,060 5.33 590	6-69	39	1,165 -.10 48	70
14-10-0002	2541857	572331	1-64	4 305 15,465 4.91 760	89 11,092 5.30 588	5-69	39	1,053 -.14 39	60
14-10-0002	2557331	572331	4-64	3 304 13,243 5.07 671	82 11,036 5.30 585	5-69	38	757 -.11 27	42
14-10-0002	2563320	593816	3-64	4 305 11,717 6.08 712	87 10,712 5.34 572	7-69	35	370 .17 34	38
14-10-0002	2564140	572331	3-64	4 305 14,340 4.73 678	90 11,005 5.34 588	11-69	39	913 -.18 28	47
14-10-0002	2566674	597754	5-64	4 305 12,920 5.50 710	84 10,905 5.34 582	10-69	33	404 .08 28	34
14-10-0002	2568569	572331	8-64	3 305 14,346 4.64 666	76 11,390 5.33 607	12-68	38	854 -.19 24	42
14-10-0002	2568575	572331	9-64	4 305 15,147 5.05 765	73 11,190 5.31 594	3-70	39	999 -.11 39	58
14-10-0002	2578565	497574	10-64	3 277 12,827 5.04 647	90 11,537 5.30 612	11-69	42	518 -.05 21	31
14-10-0002	2578569	593816	11-64	4 302 13,410 5.43 728	83 11,375 5.30 603	12-69	35	527 .06 32	40
14-10-0002	2578576	497574	12-64	3 304 13,083 5.35 700	89 11,207 5.34 598	8-69	42	582 .00 29	39
14-10-0002	2590149	593816	1-65	4 304 12,637 5.39 681	78 11,067 5.24 580	4-70	35	456 .07 29	36
14-10-0002	2590152	593816	1-65	3 305 13,306 5.67 755	83 10,720 5.37 576	9-69	35	573 .10 38	46
14-10-0002	2607015	497574	8-65	2 305 12,755 5.06 645	69 11,095 5.27 585	5-69	40	539 -.04 23	33
14-10-0002	2620724	563805	11-65	2 305 14,680 5.20 764	81 11,655 5.23 610	2-69	38	616 .03 34	44
14-10-0002	2623340	593816	12-65	2 305 15,585 4.76 742	75 11,215 5.21 584	4-69	30	753 -.05 33	47
14-10-0002	2675993	593816	9-66	2 305 16,520 4.40 727	82 10,925 5.32 581	12-69	30	894 -.13 32	50
14-10-0002	2675995	593816	9-66	2 302 12,160 5.37 653	72 10,635 5.38 572	9-69	30	412 .04 24	31
14-10-0002	2679923	557569	10-66	2 305 13,785 5.17 712	88 11,375 5.28 601	1-70	36	638 -.06 26	38
14-10-0002	2679928	557569	10-66	1 305 12,870 5.31 684	74 10,770 5.37 578	8-69	31	560 -.06 22	33
14-10-0002	2679929	592054	10-66	2 305 13,875 5.71 792	80 11,395 5.27 601	2-70	34	371 .05 23	29

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUED).

LAST HERO CODE	COW'S LAST COW NUMBER	..REGISTRATION... SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8) FAT (%) FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8) FAT (%) FAT (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8) FAT (%) FAT (L8)	I N D E X..... FAT (%) FAT (L8) OOL- LARS
14-10-0002	2691074	600211	12-66	1 305 14,190 4.84 687	81 10,980 5.22 573	3-69 33	433 -.02 20	\$ 28
14-10-0002	2702976	593816	2-67	2 305 14,220 4.94 702	76 11,060 5.22 577	3-70 30	610 -.02 29	40
14-10-0002	2715570	593816	6-67	1 305 12,550 4.88 612	75 10,510 5.33 560	7-69 25	424 -.02 19	27
14-10-0002	2728876	497574	10-67	1 305 12,510 5.66 708	90 11,470 5.28 606	12-69 35	469 .03 26	34
14-10-0002	2738396	593816	11-67	1 305 18,290 4.91 898	88 11,270 5.29 596	12-69 25	869 -.02 42	57
14-10-0002	2751973	593816	3-68	1 305 13,120 5.45 715	90 11,340 5.21 591	2-70 25	408 .06 26	32
14-10-0002	2751974	593816	3-68	1 305 13,220 5.29 699	74 11,120 5.23 582	3-70 25	435 .03 25	32
14-10-0002	2751977	593816	3-68	1 305 12,870 5.22 672	74 11,120 5.23 582	3-70 25	404 .03 23	30
14-10-0002	2751979	593816	3-68	1 305 13,920 5.57 775	47 11,060 5.18 573	4-70 25	501 .08 33	40
14-10-0008	2605461	571382	8-65	2 298 12,555 4.50 565	7 9,575 5.35 512	1-69 40	794 -.27 14	32
14-10-0008	2630981	546137	9-63	3 299 11,587 4.90 568	7 9,347 5.02 469	5-69 42	513 .05 30	38
14-10-0008	2630984	571382	8-65	2 305 12,105 4.57 553	13 9,475 5.20 493	8-69 40	757 -.24 15	32
14-10-0008	2677962	571382	10-66	2 305 12,420 5.02 623	6 9,190 5.44 500	2-70 40	815 -.20 21	39
14-10-0013	2291225	525995	6-58	7 305 12,631 5.75 726	10 9,996 5.20 520	10-68 40	436 .11 32	38
14-10-0013	2418658	587503	2-61	5 305 17,076 4.25 726	9 10,776 5.20 560	4-69 35	1,169 -.26 32	57
14-10-0013	2515454	567370	2-63	4 305 16,690 4.53 756	10 11,798 5.08 599	8-69 44	823 -.13 29	45
14-10-0013	2527917	588474	7-63	5 305 14,426 5.39 778	10 10,676 5.21 556	11-69 38	725 .01 37	50
14-10-0126	2574600	583958	11-63	3 305 10,783 5.29 570	11 8,286 5.44 451	3-69 41	618 -.02 29	40
14-10-0126	2675878	571382	2-66	2 298 12,850 4.54 584	32 10,010 5.06 507	5-69 40	784 -.23 17	34
14-10-0311	2657505	585348	9-65	2 305 13,510 4.90 662	11 9,950 5.07 504	12-68 40	569 -.07 22	33
14-10-0311	2657506	571382	8-65	2 305 12,735 4.96 632	8 10,115 5.05 511	10-68 40	762 -.18 21	37
14-10-0311	2720249	563813	10-66	1 305 13,570 5.30 719	16 10,430 5.15 537	1-70 35	362 .06 24	29
14-10-0327	2633769	571382	11-65	3 305 11,210 4.88 547	24 9,453 5.00 473	3-70 42	678 -.18 17	32
14-10-0327	2658364	571382	11-65	3 288 10,570 4.65 491	27 8,656 5.03 435	9-69 42	688 -.21 14	29
14-10-0327	2675429	571382	2-66	3 302 13,030 4.18 545	19 9,470 4.98 472	3-70 42	889 -.28 17	37
14-10-0327	2699015	571382	8-66	2 296 12,220 4.35 531	18 8,645 5.14 444	6-69 40	845 -.26 17	36
14-10-0327	2714341	603643	12-66	1 301 13,980 4.81 673	28 9,510 4.97 473	1-69 19	431 -.02 20	28
14-10-0327	2714342	602283	12-66	2 305 11,505 5.34 614	21 10,135 4.99 506	4-70 37	419 -.02 19	27
14-10-0327	2717509	571382	1-67	1 287 11,960 4.92 588	24 8,400 5.05 424	10-69 35	780 -.19 21	38
14-11-0157	2476750	540265	6-61	6 305 10,376 5.17 536	17 7,485 5.13 384	7-69 43	401 .03 23	29
14-11-0167	2378914	569466	7-59	4 245 12,385 5.17 640	13 10,158 5.22 530	7-69 8 41	600 -.08 22	34
14-11-0167	2378929	573089	3-60	4 274 11,895 5.43 646	23 10,148 5.25 533	9-69 8 33	360 .05 23	28
14-11-0167	2513512	561304	9-61	4 303 13,517 5.54 749	14 11,027 5.15 568	1-69 43	329 .18 33	36
14-11-0302	2537338	561304	7-63	5 304 11,352 5.76 654	27 8,838 5.44 481	12-69 44	321 .17 32	35
14-11-0302	2578566	572331	11-64	4 304 11,395 5.57 635	26 8,545 5.43 464	12-69 39	816 -.04 37	52
14-11-0302	2680974	571382	10-65	2 302 12,130 5.27 639	25 7,930 5.44 431	10-68 40	901 -.16 29	47
14-11-0302	2706404	571382	9-66	2 305 12,420 4.73 587	27 8,300 5.54 460	10-69 40	897 -.24 21	41
14-11-0302	2706405	571382	10-66	2 299 12,235 4.33 530	24 9,030 5.49 496	12-69 40	811 -.30 12	31
14-11-0302	2761684	592073	2-68	1 305 12,050 4.97 599	23 8,680 5.51 478	11-69 35	336 .07 23	28
14-12-0003	2169430	528498	12-56	5 304 12,150 5.38 654	38 9,868 5.24 517	11-69 36	419 .04 25	32
14-12-0003	2500603	571291	10-62	3 305 12,407 5.26 652	32 9,727 5.22 508	7-69 42	440 .05 27	34
14-12-0003	2581225	546137	8-64	4 305 10,943 6.04 661	45 9,923 5.20 516	10-69 43	381 .18 36	40
14-12-0003	2589699	596960	11-63	4 293 12,785 4.92 629	23 10,192 5.16 526	3-69 35	510 -.01 25	34
14-12-0003	2643830	571382	11-65	2 305 12,990 5.03 653	41 9,770 5.31 519	9-69 40	820 -.19 23	40
14-12-0003	2643831	571382	12-65	2 305 11,890 4.82 573	44 9,835 5.26 517	8-69 40	702 -.21 15	31
14-12-0003	2653824	571291	8-65	3 305 11,480 5.58 641	49 9,940 5.24 521	9-69 42	309 .09 24	28
14-12-0003	2716321	571382	3-67	1 137 13,080 4.95 647	19 11,240 5.15 579	1-70 8 35	671 -.20 15	30
14-12-0003	2719025	571382	8-67	1 305 14,510 4.47 649	42 10,670 5.15 549	10-69 35	818 -.25 17	35
14-12-0064	2549535	567370	10-63	3 302 10,483 5.97 626	21 9,350 5.24 490	3-69 42	322 -.09 24	28
14-12-0064	2619113	571382	11-65	3 295 12,503 5.06 633	16 9,113 5.42 494	7-69 42	865 -.19 25	43
14-12-0064	2686083	596955	7-66	2 297 12,250 5.45 668	12 9,215 5.30 488	4-70 29	415 .01 22	29
14-12-0064	2728025	571382	10-67	1 298 14,770 4.69 692	30 10,200 5.76 588	10-69 35	869 -.26 18	37
14-12-0070	2788331	571382	8-66	2 297 13,590 4.71 640	5 10,695 4.91 525	11-69 40	796 -.20 21	38
14-12-0403	2471454	562259	11-61	4 305 12,258 4.87 597	6 10,185 4.94 503	5-69 42	450 .02 24	32
14-12-0403	2677706	571382	10-66	1 303 13,610 5.08 692	6 9,920 5.02 498	3-70 35	801 -.17 24	41
14-12-0403	2679011	571382	11-66	2 305 12,750 4.28 546	6 10,665 4.87 519	1-70 40	713 -.25 *12	28
14-12-0509	2657069	571382	8-65	2 303 10,835 4.85 525	9 9,530 4.99 476	3-70 40	622 -.18 14	28
14-12-0511	2794894	571382	5-67	1 305 11,980 4.87 583	7 10,450 5.02 525	3-70 35	642 -.19 14	28
14-13-0016	2633165	571382	8-65	1 305 13,450 4.12 554	12 9,040 4.98 450	10-69 35	849 -.26 17	36
14-13-0016	2698829	571382	6-66	1 305 11,350 4.52 513	16 8,590 4.96 426	12-69 35	721 -.22 15	31
14-13-0016	2698834	571382	7-66	1 305 13,910 4.31 600	16 8,590 4.96 426	12-69 35	914 -.24 22	42
14-14-0077	2665561	571382	5-66	2 304 12,145 4.62 561	8 9,595 5.34 512	3-69 40	750 -.25 14	31
14-14-0077	2700597	584458	11-66	2 233 12,820 5.41 694	7 10,360 5.09 527	2-70 8 39	556 -.01 27	37
14-14-0241	2665116	569466	2-63	2 276 11,450 3.95 452	11 7,355 5.21 383	9-68 8 38	733 -.24 14	31
14-14-0255	2351050	573155	3-59	6 303 14,647 4.83 708	11 7,932 5.26 417	10-69 32	1,050 -.07 46	65
14-14-0258	2336423	569466	7-59	4 302 12,410 5.42 673	17 10,728 5.20 558	2-69 41	537 -.04 23	33
14-14-0258	2592918	546137	11-63	4 301 12,160 5.27 641	23 10,658 5.27 562	11-69 43	450 .07 29	36
14-14-0270	2410202	592331	8-60	6 302 15,245 4.87 743	19 10,502 5.25 551	1-70 32	778 -.07 32	47
14-14-0270	2587213	563805	9-64	4 305 12,778 5.20 664	30 11,100 5.18 575	12-69 42	497 .03 28	36
14-14-0270	2590983	596960	9-63	5 302 13,606 5.36 729	11 11,128 5.17 575	3-70 36	520 .09 34	42
14-14-0270	2675702	563805	4-66	3 296 13,260 5.25 696	18 11,143 5.33 594	4-70 41	539 .02 29	38
14-17-0041	2637025	571382	10-65	3 300 13,080 4.58 599	10 9,256 5.34 494	9-69 42	917 -.25 21	41
14-17-0041	2756394	583958	2-68	1 280 12,000 5.04 605	7 10,890 5.30 577	12-69 34	465 -.05 19	28
14-18-0012	2683038	602608	3-66	1 305 11,160 5.83 651	21 8,530 5.32 454	3-69 23	339 .05 22	27
14-18-0012	2692215	602500	12-66	1 305 11,200 5.67 635	21 8,100 5.44 441	4-69 22	391 .03 22	28
15-14-0145	2153309	544907	9-56	8 305 14,209 5.02 714	13 9,666 5.22 505	2-69 36	669 -.02 32	44
16-06-0077	2433767	553236	1-61	6 305 11,665 5.08 593	28 9,88,8			

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
16-06-0077	2701738	571382	2-66	2 305	16,240	3.98	647	29	9,700	5.09	494	6-69	40	1,158	-.34	24	\$ 50
16-06-0077	2709656	546137	6-66	2 305	11,395	4.92	561	27	10,345	4.99	516	9-69	40	377	.06	24	30
16-06-0077	2738609	571382	3-67	1 305	13,810	4.44	613	33	10,560	5.30	560	12-69	35	773	-.26	14	32
16-06-0077	2738611	571382	4-67	1 305	12,140	4.76	578	18	10,470	5.13	537	3-70	35	653	-.21	13	28
16-06-0077	2738613	546137	6-67	1 305	12,520	5.94	744	24	10,710	5.15	552	12-69	35	422	.15	35	40
16-06-0077	2738622	602283	7-67	1 305	13,130	5.62	738	31	10,650	5.06	539	2-70	33	488	.00	24	33
16-06-0178	2690036	571382	4-66	2 305	15,050	4.70	707	15	12,630	4.92	621	12-69	40	768	-.20	19	36
16-06-0178	2719635	571382	4-67	1 305	13,910	4.51	627	5	9,570	5.07	485	7-69	35	847	-.23	20	39
16-06-0387	2530034	563805	5-63	3 305	12,297	5.00	615	32	10,233	5.08	520	9-69	41	522	.01	27	36
16-06-0387	2606215	563813	3-65	3 305	14,173	4.33	614	24	10,763	5.06	545	10-69	42	522	-.10	17	28
16-06-0387	2684553	563805	12-66	2 305	13,025	4.78	622	19	11,420	5.32	607	12-69	38	465	-.05	19	28
16-06-0387	2684556	563805	12-66	2 305	12,650	5.38	681	19	11,420	5.32	607	12-69	38	426	.04	25	32
16-06-0387	2715070	563805	2-67	2 305	12,805	5.33	683	15	11,485	5.25	603	3-70	38	436	.05	26	33
16-12-0037	2512165	585749	12-62	4 305	13,330	5.28	704	9	9,530	5.03	479	3-70	30	588	.06	35	44
16-12-0037	2534904	010128188	7-60	3 305	12,743	5.71	728	11	9,630	5.17	498	7-69	29	455	.12	34	40
16-12-0138	2531782	546137	9-63	4 304	10,223	5.19	531	8	8,503	5.41	460	3-70	43	451	.04	26	33
16-12-0138	2660107	571382	11-65	2 305	13,555	4.35	589	8	7,665	5.60	429	3-70	40	1,071	-.30	24	48
16-14-0022	2504663	583958	8-61	5 305	12,980	5.29	687	7	8,970	5.45	489	3-70	43	851	-.02	41	56
16-14-0022	2504668	583958	3-62	5 304	10,460	5.73	599	11	8,506	5.56	473	2-69	43	572	.03	31	41
16-14-0023	2501787	550331	12-62	4 304	12,933	5.03	651	8	9,815	5.27	517	1-69	43	367	.03	21	27
16-16-0123	2657554	571382	2-65	2 300	10,810	5.04	545	5	8,975	5.27	473	1-69	40	671	-.18	16	31
16-16-0123	2657557	571382	10-65	2 305	13,770	4.42	609	7	9,495	5.09	483	6-69	40	925	-.25	22	42
16-16-0123	2669246	571382	8-65	2 294	13,230	5.34	706	5	10,085	5.30	535	11-69	40	816	-.14	27	44
21-02-0158	2374007	577380	2-60	4 305	11,308	5.35	605	5	9,038	4.88	441	3-69	30	348	.08	25	30
21-02-0210	2373379	575408	5-59	7 304	11,294	5.50	621	11	8,454	5.18	438	12-69	36	473	.06	29	36
21-06-0716	2715682	598658	4-67	1 305	14,870	3.97	590	30	8,640	5.01	433	12-69	26	646	-.17	16	30
21-10-0016	2754932	602283	7-66	2 280	14,010	5.05	707	15	10,860	5.37	583	10-69	37	616	-.09	22	34
21-10-0061	2746738	557682	5-67	1 305	11,640	5.58	650	17	8,100	5.25	425	10-69	35	517	-.05	21	31
21-10-0062	2562803	563945	12-63	4 304	12,143	4.95	601	27	9,383	5.21	489	9-69	42	540	-.12	16	27
21-10-0062	2716028	602283	12-66	2 300	12,395	4.74	588	16	10,010	5.09	510	1-70	37	526	-.11	16	27
21-10-0174	2528659	560800	1-63	5 296	11,346	5.61	636	14	9,842	5.16	508	2-69	44	453	.05	27	34
21-10-0174	2716867	585348	12-66	2 303	15,210	4.42	672	16	10,855	5.35	581	1-70	40	659	-.18	16	30
21-10-0174	2751066	577474	10-67	1 305	15,850	4.77	756	14	10,640	5.21	554	11-69	35	634	-.04	28	40
21-10-0379	2332999	553901	2-59	7 305	10,861	5.68	617	80	9,147	5.34	488	4-69	38	337	.09	25	29
21-10-0379	2359427	553901	8-59	8 305	12,866	5.02	646	104	9,133	5.38	491	1-70	38	627	-.04	28	40
21-10-0379	2404291	553904	8-60	7 305	12,640	5.94	751	89	9,258	5.36	496	7-69	41	513	.20	44	50
21-10-0379	2512519	553904	10-62	6 303	11,693	5.52	646	61	9,551	5.44	520	3-70	41	346	.09	26	31
21-10-0379	2546816	593920	8-63	4 305	11,055	5.17	571	129	8,165	5.55	453	9-68	39	435	-.02	20	28
21-10-0379	2562878	553904	1-64	4 304	11,465	5.25	602	84	9,057	5.44	493	6-69	40	361	.05	23	28
21-10-0379	2566693	553904	4-64	4 305	13,967	5.58	780	68	9,547	5.42	517	7-69	40	632	.12	43	52
21-10-0379	2566712	553904	7-64	4 305	12,145	5.68	690	58	9,690	5.45	528	4-70	40	376	.12	30	35
21-10-0379	2566754	563805	7-64	3 305	11,227	5.34	600	104	9,883	5.45	539	4-69	41	432	.03	24	31
21-10-0379	2599812	598125	1-65	1 305	13,440	5.45	732	150	9,850	5.50	542	7-69	31	426	-.01	20	28
21-10-0379	2658332	553904	11-65	3 305	12,050	5.52	665	96	8,553	5.60	479	10-69	38	471	.08	31	38
21-10-0379	2658333	553904	11-65	2 304	11,435	5.71	653	99	8,895	5.64	502	10-68	36	320	.10	25	29
21-10-0379	2672614	603387	2-66	2 305	14,010	5.75	805	106	9,370	5.65	529	12-68	30	662	.07	40	50
21-10-0379	2672618	603387	2-66	3 301	13,810	5.41	747	102	9,366	5.66	530	12-69	33	701	.01	36	48
21-10-0379	2672619	553904	2-66	3 303	13,840	5.74	794	69	9,286	5.63	523	12-69	38	611	.12	42	51
21-10-0379	2672622	553904	2-66	3 295	11,940	5.85	699	78	9,093	5.63	512	10-69	38	397	.13	32	37
21-10-0379	2679926	497574	11-66	2 305	12,355	6.14	758	130	9,385	5.73	538	10-69	40	656	.06	39	49
21-10-0379	2700257	603387	8-66	2 303	12,350	5.33	658	135	9,790	5.59	547	6-69	30	419	-.01	20	27
21-10-0379	2700893	563805	11-66	1 305	14,100	5.21	735	83	10,880	5.58	607	2-69	34	553	.00	28	38
21-10-0379	2705453	603387	9-66	1 305	12,760	5.59	713	140	9,170	5.81	533	9-68	24	434	.01	23	30
21-10-0379	2718066	602658	12-66	2 305	14,670	4.46	654	55	9,635	5.17	498	3-70	32	1,085	-.18	36	58
21-10-0379	2736527	553904	9-67	1 305	12,590	5.64	710	102	9,240	5.49	507	8-69	31	320	.11	26	30
21-10-0593	2361845	557022	2-58	9 302	11,680	5.39	630	27	9,829	5.26	517	5-69	36	331	.08	24	29
21-10-0593	2450077	585348	10-61	4 304	11,385	5.31	604	40	9,005	5.31	478	9-69	43	481	-.03	21	30
21-10-0593	2609295	592750	3-63	4 305	13,070	4.97	650	26	9,142	5.28	483	12-69	35	616	-.03	28	39
21-10-0593	2609298	592750	10-63	4 305	13,962	4.58	640	32	9,682	5.21	504	10-69	35	674	-.10	24	37
21-10-0593	2632736	592750	2-65	3 305	12,186	5.17	630	30	9,600	5.26	505	3-70	33	405	.01	21	28
21-10-0593	2632751	602810	12-65	3 305	12,356	5.07	626	43	9,480	5.32	504	11-69	32	453	-.03	20	28
21-10-0593	2634094	602810	2-66	3 305	12,576	5.17	650	38	9,760	5.28	515	2-70	32	449	-.01	22	30
21-10-0601	2605537	593292	1-63	3 301	12,643	5.45	689	13	9,490	5.06	480	5-69	38	364	.10	27	32
21-11-0611	2740799	583958	10-67	1 305	12,070	5.00	604	62	9,300	4.97	462	9-69	34	581	-.02	27	37
21-11-0611	2740808	577474	8-67	1 305	11,280	5.48	618	53	9,150	4.95	453	8-69	35	387	.05	24	30
21-11-0611	2740816	602636	8-66	2 299	12,045	4.75	572	57	8,970	4.93	442	12-69	33	536	-.06	21	31
21-11-0611	2744194	602283	10-66	2 298	11,535	4.88	563	30	9,110	5.06	461	1-70	37	520	-.09	18	28
21-12-0049	2653694	563813	8-65	3 304	10,817	5.27	570	19	8,853	5.07	449	1-70	42	332	.06	22	27
21-12-0101	2628329	563945	1-65	3 304	11,330	5.14	582	16	8,490	5.28	448	7-69	41	517	-.08	18	28
21-12-0101	2726295	583958	10-67	1 305	12,700	5.12	650	20	8,360	5.24	438	10-69	34	695	-.02	33	45
21-12-0101	2742548	577474	9-67	1 299	10,760	5.49	591</										

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C	.....C O W REPT (%)	MILK (LB)	I N O FAT (%)	E X FAT (LB)	..... OOL- LARS
21-12-0867	2582317	571291	10-63	1 305	10,320	4.42	456	9	6,260	4.97	311	10-69	35	416	-.01	20	\$ 27
21-13-0256	2191034	549808	2-57	4 305	15,325	4.63	710	34	11,350	5.25	596	11-69	35	685	-.12	23	37
21-13-0256	2550867	563805	12-63	4 305	13,298	5.44	723	26	11,790	5.34	629	1-70	42	484	.06	30	37
21-13-0256	2550873	563805	2-64	3 305	13,530	4.95	670	27	10,917	5.14	561	5-69	41	595	.00	30	40
21-13-0256	2566748	563805	5-64	4 305	16,355	4.69	767	33	11,148	5.23	583	10-69	42	946	-.07	40	58
21-13-0256	2605260	563805	3-65	3 305	12,337	5.11	630	26	10,993	5.13	564	9-69	41	445	.02	24	31
21-13-0256	2605262	563805	3-65	3 305	12,750	4.76	607	26	11,320	5.19	587	11-69	41	459	-.04	19	28
21-13-0256	2620727	563805	12-65	3 305	13,467	5.25	707	23	11,590	5.31	615	1-70	41	516	.02	28	37
21-13-0256	2675696	563805	1-66	2 305	14,175	5.11	724	20	11,325	5.21	590	4-69	38	594	.01	31	41
21-13-0256	2675705	563805	4-66	2 305	12,005	5.51	662	25	10,460	5.12	536	6-69	38	449	.08	30	37
21-13-0256	2675709	563805	6-66	2 305	12,315	5.11	629	24	10,905	5.13	559	8-69	38	440	.02	24	31
21-13-0256	2675710	563805	7-66	2 305	14,140	4.69	663	28	11,255	5.12	576	10-69	38	597	-.04	26	37
21-13-0256	2675711	563805	7-66	2 305	13,125	5.10	670	24	10,905	5.13	559	8-69	38	524	.03	29	38
21-13-0256	2684550	563805	11-66	1 305	17,460	4.47	781	30	11,350	5.30	602	1-70	34	779	-.07	32	47
21-13-0256	2715071	606291	2-67	2 305	14,250	5.80	826	31	11,290	5.43	613	3-70	28	507	.09	34	41
21-13-0256	2715075	563805	4-67	1 305	12,580	5.38	677	16	10,340	5.12	529	5-69	34	473	.06	29	36
21-13-0256	2715076	563805	4-67	1 305	14,350	4.21	604	16	10,670	5.29	564	4-69	34	587	-.09	21	33
21-13-0256	2715079	563805	4-67	1 305	12,530	5.28	662	21	10,070	5.14	518	6-69	34	488	.04	28	36
21-13-0256	2716476	563805	4-67	1 305	12,720	5.67	721	21	10,070	5.14	518	6-69	34	503	.08	33	41
21-13-0256	2736707	563805	11-67	1 305	13,570	4.78	648	32	11,080	5.28	585	11-69	34	498	-.02	23	32
21-13-0351	2597398	546137	10-62	4 281	10,163	5.09	517	8	8,048	5.59	450	2-70	8 43	494	.01	26	34
21-14-0273	2578830	591297	8-62	4 304	10,378	5.30	550	12	8,620	5.24	452	3-70	42	334	.07	23	28
21-14-0296	2511448	560800	12-62	1 305	12,880	5.71	735	37	11,060	5.49	607	12-68	35	434	.00	22	30
21-14-0296	2706477	585348	5-65	3 305	13,240	5.35	709	25	10,620	5.35	568	9-69	42	514	-.03	23	32
21-14-0296	2706481	601815	8-66	2 305	15,330	5.28	809	34	10,865	5.44	591	1-70	25	590	.01	30	40
21-14-0296	2706488	585348	9-66	2 305	13,750	6.09	838	29	10,575	5.48	579	11-69	40	536	.07	33	41
21-14-0296	2735356	585348	4-66	1 305	14,840	4.89	725	29	10,420	5.52	575	9-68	35	552	-.10	18	29
21-14-0296	2735361	577474	8-67	1 305	12,160	5.69	692	30	10,230	5.35	547	9-69	35	380	.05	24	30
21-14-0296	2735364	583958	10-67	1 305	13,570	5.22	709	32	10,410	5.46	568	11-69	34	620	-.03	28	39
21-14-0296	2786958	583958	9-67	1 305	16,570	4.83	800	27	10,440	5.43	567	10-69	34	849	-.08	35	51
21-14-0629	2729007	563805	2-63	1 305	13,710	5.61	769	19	11,370	5.20	591	4-69	34	489	.08	32	39
21-14-0629	2729008	563805	5-64	2 305	12,925	5.21	673	18	11,455	5.14	589	1-70	38	452	.04	26	33
21-14-0629	2751024	593210	12-67	1 302	14,860	4.75	706	7	11,410	4.99	569	12-69	28	465	-.06	18	27
21-16-0285	2300757	010121754	9-55	4 305	16,270	5.58	908	14	10,305	5.51	568	8-69	39	736	.09	45	56
21-16-0285	2585155	010126479	7-60	3 305	14,863	5.23	778	16	10,000	5.53	553	10-69	29	710	-.02	34	47
21-19-0061	2460974	551708	9-61	7 302	12,202	5.02	612	17	9,182	5.08	466	11-69	36	410	.04	24	31
21-19-0061	2531209	593630	8-63	4 302	11,398	4.71	537	22	8,910	5.01	446	10-69	34	481	-.05	19	28
21-19-0076	2200271	529828	12-56	4 258	11,955	4.84	579	10	9,778	4.79	468	1-69	8 33	404	.02	22	29
21-19-0076	2642048	563945	1-64	3 300	13,013	4.79	623	28	10,320	4.82	497	12-68	41	522	-.09	18	28
21-19-0076	2676558	585348	10-65	3 217	12,377	4.32	535	20	9,257	4.85	449	9-69	8 42	556	-.14	15	27
21-26-0789	2500135	570419	11-62	5 303	13,810	4.81	664	18	10,636	4.95	526	5-69	43	430	-.02	20	28
21-26-0789	2682950	602636	8-66	2 305	14,710	4.55	669	27	11,205	4.95	555	2-70	33	610	-.10	21	33
21-26-0789	2746562	577474	8-67	1 305	14,220	4.75	675	26	11,320	4.97	563	1-70	35	462	-.02	21	29
21-32-0229	2650235	563813	8-65	3 301	10,760	5.41	582	23	8,910	5.20	463	1-70	42	319	.07	22	27
21-33-0276	2713436	585348	4-67	1 305	15,270	4.13	630	8	9,710	4.88	474	3-70	35	633	-.14	18	31
21-34-0107	2631212	585348	12-64	3 305	11,783	4.74	558	9	8,883	4.85	431	3-69	42	526	-.07	20	30
21-39-0289	2689105	585348	1-66	2 200	13,575	5.20	706	5	10,895	5.45	594	1-69	8 40	488	-.07	18	28
21-40-0115	2653417	600544	12-65	2 301	11,555	5.50	636	27	8,805	5.24	461	1-70	34	349	.06	23	28
21-40-0115	2653418	601852	1-66	2 305	11,820	5.66	669	25	8,910	5.21	464	3-70	36	427	.16	36	41
21-40-0115	2702399	563945	1-67	1 305	13,160	4.77	628	35	8,080	5.10	412	8-69	35	592	-.11	19	31
21-42-0398	2692330	585348	11-66	1 305	15,270	4.74	724	47	9,240	5.49	507	9-69	35	665	-.11	23	36
21-42-0398	2706071	585348	1-67	2 302	12,995	4.82	626	13	9,965	5.31	529	12-69	40	515	-.10	16	27
21-42-0508	2486691	497574	9-62	3 305	14,370	5.01	720	38	9,600	5.31	510	12-69	42	901	-.04	41	57
21-42-0508	2580997	593630	9-64	3 305	11,767	5.16	607	30	9,490	5.33	506	12-68	32	439	-.02	20	28
21-42-0508	2580998	593630	9-64	4 305	12,695	4.74	602	29	9,710	5.26	511	12-69	34	565	-.09	20	31
21-45-0894	2689476	602283	8-66	2 292	10,430	5.05	527	21	8,370	5.03	421	3-70	37	474	-.06	18	27
21-45-0894	2715170	585348	1-67	1 305	11,950	4.88	583	22	8,070	5.30	428	8-69	35	494	-.08	17	27
21-48-0116	2301993	577008	1-59	5 298	12,962	5.46	708	12	10,336	5.10	527	12-69	32	440	.09	30	36
21-48-0116	2364130	577008	11-59	4 305	13,533	5.01	678	13	9,808	5.14	504	12-68	30	581	-.01	28	38
21-48-0116	2717323	585348	6-67	1 304	11,830	5.67	671	11	9,180	5.20	477	9-69	35	409	.01	21	28
21-49-0547	2720685	592073	8-67	1 305	15,340	5.19	796	8	12,090	5.11	618	11-69	35	353	.11	28	32
21-49-0547	2720690	602283	12-66	1 305	14,140	5.37	760	8	12,220	5.09	622	11-69	33	457	-.03	20	28
21-49-0547	2737066	577474	7-67	1 305	14,380	4.69	674	10	11,210	5.23	586	3-70	35	482	-.04	20	29
21-52-0140	2346609	569466	5-59	8 305	12,344	4.93	609	27	10,373	5.03	522	12-69	42	577	-.10	19	31
21-52-0140	2508233	591675	10-62	6 302	13,135	4.98	654	32	10,990	5.03	553	10-69	34	407	.00	20	27
21-52-0140	2682494	602574	8-66	2 305	15,620	4.31	674	30	10,905	4.99	544	10-69	29	690	-.16	19	34
21-52-0140	2748520	560800	12-63	2 295	12,920	4.47	577	22	10,700	4.93	527	4-70	40	508	-.09	17	27
21-52-0241	2685792	585348	5-66	2 305	14,440	4.86	702	18	11,145	5.43	605	11-69	40	554	-.11	17	28
21-55-0016	2408828	553904	1-61	7 303	12,580	4.67	587	17	9,760	4.83	471	10-69	41	442	.02	24	31
21-55-0016	2484170	516388	9-61	4 305	13,923	4.35	606	18	9,045	4.82	436	2-70	39	708	-.12	24	38
21-55-0016	2585286	585348	8														

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C MO-YR O	.....C O W I N O E X..... REPT (%) MILK FAT FAT OOL- (L8) (%) (L8) LARS
22-10-0050	2576319	592247	5-64	4 295 13,122 5.21 684	76 10,475 4.91 514	8-69	35 567 .08 36 \$ 45
22-10-0050	2613494	571382	11-64	3 301 14,003 4.56 638	70 10,803 4.94 534	6-69	42 862 -.23 21 40
22-10-0050	2613499	592247	3-65	3 290 12,660 5.13 650	82 10,653 4.88 520	6-69	34 462 .06 29 36
22-10-0050	2613512	592247	8-65	3 297 11,983 5.38 645	84 10,800 4.86 525	9-69	34 355 .11 28 32
22-10-0050	2675873	571382	10-65	3 297 13,823 4.34 600	78 10,856 4.91 533	10-69	42 836 -.26 17 36
22-10-0050	2675896	602329	4-66	2 305 13,375 5.26 704	95 10,995 4.88 537	8-69	29 323 .09 24 28
22-10-0050	2707789	571382	6-66	2 298 12,470 5.02 626	79 10,845 4.93 535	8-69	40 668 -.16 18 32
22-10-0050	2707808	597911	10-66	1 305 16,140 4.47 721	74 11,540 4.84 558	11-68	23 554 -.08 20 31
22-10-0050	2714825	571382	11-66	1 305 14,270 4.84 690	48 11,550 4.87 563	5-69	35 740 -.19 19 35
22-10-0050	2724875	571382	7-67	1 305 13,100 5.11 670	78 10,960 4.95 542	8-69	35 692 -.16 19 34
22-10-0050	2729945	571382	7-67	1 305 12,440 4.71 586	73 10,920 4.95 541	7-69	35 645 -.20 13 28
22-10-0051	2462311	559999	10-61	5 300 12,876 4.81 619	20 9,678 5.22 505	3-69	36 571 -.09 20 31
22-10-0051	2491864	559999	9-62	6 305 12,483 4.91 613	28 9,125 5.21 475	8-69	36 586 -.07 23 34
22-10-0051	2523689	559999	7-63	3 305 16,996 4.54 771	19 9,443 5.19 490	6-69	33 1,103 -.14 41 63
22-10-0051	2573235	559999	10-64	4 305 13,462 4.86 654	19 10,870 5.01 545	2-70	35 483 -.06 19 28
22-10-0051	2608402	571382	7-65	3 300 11,990 4.80 576	32 10,633 5.14 547	12-69	42 646 -.21 12 27
22-10-0051	2608403	571382	7-65	2 305 12,630 4.32 545	30 10,390 5.14 534	2-69	40 726 -.27 10 27
22-10-0051	2608404	571382	7-65	2 305 12,255 4.62 566	34 9,635 5.15 496	8-69	40 757 -.23 16 33
22-10-0051	2638759	571382	10-65	3 296 14,283 4.59 655	21 11,000 5.06 557	2-70	42 874 -.23 21 40
22-10-0051	2638760	571382	10-65	3 302 13,463 4.70 633	32 10,483 5.22 547	12-69	42 833 -.23 19 37
22-10-0051	2638762	571382	9-65	3 305 12,870 4.56 587	31 10,613 5.22 554	12-69	42 750 -.26 13 30
22-10-0051	2638763	571382	8-65	3 305 12,906 4.79 618	30 10,340 5.20 538	3-70	42 783 -.22 18 35
22-10-0051	2638764	571382	8-65	3 296 12,273 4.84 594	34 9,806 5.23 513	9-69	42 765 -.21 18 35
22-10-0051	2660114	571382	12-65	2 305 13,640 4.92 671	32 9,700 5.21 505	10-69	40 893 -.19 26 45
22-10-0051	2660115	571382	1-66	2 305 11,390 4.82 549	26 9,695 5.04 489	6-69	40 664 -.19 15 30
22-10-0051	2683641	571382	7-66	2 305 11,755 4.99 587	28 10,290 5.22 537	11-69	40 646 -.19 14 28
22-10-0051	2698481	571382	9-66	2 305 11,595 5.05 586	29 10,160 5.21 529	11-69	40 642 -.18 15 29
22-10-0051	2715296	571382	1-67	1 305 13,290 4.55 605	35 10,100 4.98 503	6-69	35 765 -.22 17 34
22-10-0051	2715299	559999	2-67	1 305 14,330 4.70 674	26 9,940 4.95 492	5-69	24 494 -.06 19 29
22-10-0052	2441948	571382	6-61	7 301 11,672 5.17 604	13 10,280 5.01 515	7-69	44 649 -.13 20 33
22-10-0052	2482367	571382	7-62	6 301 12,016 4.35 523	15 10,200 4.96 506	7-69	44 703 -.25 11 27
22-10-0052	2537286	571382	1-64	4 304 12,390 4.79 594	11 10,755 4.81 517	6-69	43 683 -.17 18 33
22-10-0052	2567333	571382	8-64	4 305 14,187 4.43 629	13 10,727 4.93 529	12-69	43 910 -.25 21 41
22-10-0052	2608358	571382	10-65	3 305 11,803 4.58 540	16 10,263 4.97 510	10-69	42 663 -.22 12 27
22-10-0052	2613495	597911	12-64	4 305 14,485 4.84 701	17 11,298 4.81 543	3-70	33 598 -.02 28 39
22-10-0052	2618279	571382	12-65	3 305 13,913 4.43 616	10 11,336 4.81 545	2-70	42 796 -.24 17 35
22-10-0052	2672837	571382	9-66	2 304 13,645 4.13 564	15 10,275 4.87 500	9-69	40 840 -.28 15 34
22-10-0052	2722653	571382	10-67	1 305 13,840 4.99 690	15 10,990 4.84 532	11-69	35 746 -.17 21 37
22-17-0197	2495438	571382	11-62	5 301 12,866 4.80 617	8 10,072 4.90 494	11-69	44 829 -.18 24 41
22-17-0197	2562929	571382	6-64	4 304 12,570 4.68 588	8 9,832 4.88 480	11-69	43 809 -.19 22 39
22-17-0197	2660379	571382	9-65	3 291 12,740 4.76 607	10 10,316 4.89 504	9-69	42 766 -.19 20 36
22-17-0197	2660381	571382	11-65	3 298 13,936 4.60 641	9 10,220 4.87 498	8-69	42 916 -.21 25 45
22-17-0197	2725367	571382	7-67	1 305 13,290 5.09 677	16 10,870 5.00 544	9-69	35 712 -.16 20 35
22-17-0197	2743895	571382	11-67	1 298 12,800 4.84 620	17 11,650 4.94 576	12-69	35 622 -.19 13 27
22-22-0048	2242561	544382	11-57	4 305 16,178 6.40 1036	30 12,003 5.75 690	3-70	37 655 .25 57 64
22-22-0048	2274254	563805	2-58	3 305 14,140 5.69 804	38 11,450 5.76 659	12-69	41 610 .05 35 45
22-22-0048	2290027	563805	6-58	4 305 14,850 5.53 821	30 11,978 5.71 684	3-70	42 660 .03 36 47
22-22-0048	2361320	563805	10-59	4 305 12,938 6.06 784	34 11,778 5.60 659	8-69	42 440 .13 34 40
22-22-0048	2584325	600002	12-64	3 229 13,740 5.98 822	28 11,700 5.79 677	2-70	8 35 401 .10 29 34
22-22-0048	2584329	600002	1-65	3 305 12,573 5.73 721	36 10,820 5.60 606	7-69	8 35 352 .07 24 29
22-22-0048	2584330	563805	1-65	3 305 13,047 5.83 760	32 11,767 5.65 665	5-69	41 447 .07 29 36
22-22-0048	2607362	563805	9-65	2 305 13,485 5.43 732	32 11,720 5.65 662	5-69	38 485 .01 25 33
22-22-0048	2703330	563805	3-67	1 305 13,440 5.35 719	31 11,370 5.76 655	5-69	34 468 .00 23 31
22-22-0048	2723925	604427	7-67	1 205 12,670 5.77 731	46 10,570 5.81 614	10-69	8 24 379 .04 23 29
22-26-0088	2520735	583958	2-63	5 302 12,524 4.92 616	19 9,826 5.14 505	6-69	43 688 -.05 30 43
22-26-0088	2690747	571382	1-66	3 300 13,153 4.60 605	23 9,510 5.05 480	1-70	42 899 -.23 23 42
22-26-0088	2743884	557682	11-67	1 305 17,080 4.54 775	24 9,760 5.14 502	11-69	35 819 -.17 25 42
22-26-0088	2743886	585348	5-67	2 303 13,460 4.53 610	16 9,505 5.11 486	4-70	40 604 -.13 18 31
22-26-0088	2743889	585348	4-67	1 305 13,690 5.00 685	18 10,430 4.88 509	3-69	35 465 -.04 20 29
22-26-0104	2333791	502114	12-58	8 305 14,028 4.78 670	9 11,029 5.10 562	10-68	43 598 -.11 20 32
22-26-0104	2497805	587726	10-61	6 305 15,118 4.46 675	6 11,553 5.03 581	6-69	36 570 -.10 19 33
22-26-0104	2633052	571382	12-65	2 305 15,010 4.30 645	10 12,165 5.01 610	3-69	40 806 -.27 14 31
23-06-0001	2728765	572331	10-66	2 300 10,905 4.14 452	16 8,505 5.02 427	2-70	35 729 -.19 18 34
23-08-0067	2515495	567370	1-63	4 305 12,223 5.28 645	9 9,093 5.08 462	3-69	44 572 .01 30 40
23-08-0074	2697892	571382	9-66	1 282 10,910 4.83 527	25 8,480 5.40 458	11-68	35 695 -.22 14 30
23-08-0108	2691854	584458	10-66	2 305 13,335 4.51 602	9 10,370 5.21 540	3-70	39 609 -.14 17 30
23-08-0210	2644229	571382	11-65	2 291 12,045 4.22 508	17 9,670 4.96 480	2-69	40 733 -.26 12 29
23-08-0324	2270069	566245	7-57	9 304 11,902 5.25 625	14 8,911 4.98 444	6-69	38 500 .05 30 38
23-08-0324	2637976	571382	6-65	3 305 12,413 4.68 581	22 9,613 5.26 506	12-69	42 802 -.24 17 35
23-08-0324	2702705	584458	9-66	2 273 11,695 5.16 604	20 10,000 5.30 530	11-69	8 39 474 -.06 18 27
23-08-0324	2753997	584458	2-68	1 305 12,860 5.26 677	22 10,570 5.29 559	3-70	35 494 -.05 20 29
23-08-0418	2648621	601852	10-65	3 303 10,113 5.21 527	28 8,396 5.04 423	11-69	39 314 .11 26 30
23-08-0498	2547662	594146	1-64	5 300 12,570 5.17 650	13 10,754 4.96 533	3-70	35 336 .06 22 27
23-09-0424	2629035	546137	4-65	3 305 11,087 4.80 532	19 8,877 5.04 447	8-69	42 504 .03 28 36
23-09-0424	2707535	571382	11-66	2 298 13,310 4.72 628	17 10,335 4.93 509	2-70	40 801 -.20 21 38
23-09-0424	2774792	584458	7-67	1 305 13,070 4.47 584	16 9,540 5.14 490	10-69	35 581 -.13 17 29
23-09-0424	2775435	584458	2-67	1 303 13,130 5.16 678	19 10,230 5.06 518	11-69	35 538 -.04 23 33
23-09-0911	2617417	546137	2-65	3 305 10,943 5.46 598	5 9,297 5.17 481	3-69	42 443 .11 32 38
23-09-0911	2673538	584458	9-66	2 305 11,410 4.64 529	10 8,585 5.16 443	11-69	39 576 -.11 18 30
23-09-0923	2606777	546137	5-65	3 305 10,723 5.45 584	28 9,000 5.11 460	11-69	42 449 .10 32 38
23-09-0923	2648866	546137	10-65	3 305 12,570 4.81 605	26 9,723 5.07 493	1-70	42 588 .02 31 41
23-09-0923	2657969	571382	2-66	3 305 10,850 4.97 539	23 9,653 5.13 495	12-69	42 616 -.19 13 27
23-09-0923	2750114	583958	12-67	1 305 12,470 5.24 654	28 10,060 5.01 504	12-69	34 559 .00 28 38
23-14-0186	2676258	584458	8-66	1 305 12,720 4.65 592	9 9,980 5.19 518	9-68	35 524 -.11 16 27
23-14-0186	2676259	584458	8-66	2 305 12,930 5.31 686	10 10,545 5.13 541	11-69	39 551 -.03 25 35

TABLE 4. JERSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C REPT	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS
23-20-0287	2567978	585301	10-61	6 304	11,153	5.44	607	14	8,643	5.31	459	10-69	35	387	.07	26	\$ 32
23-20-0326	2514569	560800	1-63	4 302	11,103	4.94	548	25	8,825	4.88	431	3-70	43	531	-.03	24	34
23-20-0326	2568157	560800	3-64	4 303	10,940	4.41	483	26	8,438	4.95	418	1-70	43	554	-.10	18	29
23-20-0326	2571395	560800	9-64	3 305	12,253	4.38	537	20	8,230	4.88	402	6-69	42	715	-.10	26	40
23-20-0326	2649794	584458	9-65	2 305	12,255	4.69	575	27	8,880	4.93	438	6-69	39	636	-.09	23	36
23-22-0010	2256031	565425	12-57	10 301	12,659	5.13	650	36	9,805	4.93	483	10-69	37	501	.08	33	40
23-22-0010	2542303	584458	1-62	4 303	12,265	4.64	569	21	9,993	4.87	487	6-69	42	570	-.09	20	31
23-22-0010	2543635	585393	6-63	4 302	12,832	5.52	708	35	10,660	4.87	519	11-68	41	321	.16	31	34
23-22-0010	2543641	584458	11-63	3 305	14,497	4.41	639	23	9,703	4.98	483	7-69	41	846	-.16	27	44
23-22-0010	2543648	584458	12-63	4 304	15,150	4.12	624	30	10,273	4.87	500	8-69	42	902	-.21	25	44
23-22-0010	2576178	584458	12-64	4 291	11,600	5.11	593	38	10,393	4.97	517	11-69	42	441	-.03	19	27
23-22-0010	2577574	584458	3-64	4 300	13,795	4.29	592	19	10,393	4.84	503	5-69	42	718	-.16	21	36
23-22-0010	2577580	584458	11-64	4 301	11,160	5.00	558	26	9,700	4.86	471	8-69	42	464	-.03	20	29
23-22-0010	2616437	584458	2-65	3 305	13,087	4.16	545	24	10,067	4.93	496	6-69	41	643	-.18	15	29
23-22-0010	2626881	584458	4-65	3 305	11,690	4.70	549	25	9,743	4.96	483	8-69	41	513	-.09	17	27
23-22-0010	2659153	584458	1-66	2 305	15,085	4.62	697	25	9,970	5.07	505	2-70	39	827	-.12	30	46
23-22-0010	2659154	591297	2-66	3 297	13,180	4.60	606	46	10,557	4.98	526	11-69	41	447	-.01	21	29
23-22-0010	2687053	584458	7-65	3 305	12,957	4.39	569	41	10,380	5.04	523	12-69	41	595	-.16	15	28
23-22-0010	2736134	584458	11-67	1 305	12,130	5.17	627	35	9,800	4.94	484	1-70	35	491	-.04	21	30
23-22-0010	2772390	584458	1-68	1 300	12,900	5.01	646	41	9,870	4.98	492	12-69	35	545	-.06	22	32
23-31-0222	2585224	546137	3-65	2 305	10,545	4.51	476	9	8,825	5.20	459	2-70	40	430	-.02	20	28
23-32-0003	2579257	580836	10-63	4 304	14,623	4.70	688	9	11,235	4.99	561	3-69	42	528	-.03	24	34
23-32-0003	2579258	591297	10-63	5 298	12,816	5.10	653	17	10,632	5.04	536	10-69	43	426	.06	27	33
23-32-0003	2639784	584458	1-66	3 305	13,107	5.09	667	8	11,390	5.04	574	4-70	41	506	-.05	21	31
23-32-0006	2653958	584458	2-66	2 305	12,600	4.83	609	14	9,955	4.74	472	6-69	39	571	-.05	24	35
23-32-0023	2450692	585904	9-61	6 305	12,132	5.26	638	11	9,418	4.96	467	5-69	43	488	.04	28	36
23-32-0023	2511247	585904	3-63	4 305	11,973	4.82	577	15	9,038	4.91	444	3-69	42	497	-.03	22	31
23-32-0023	2511248	585904	4-63	5 305	10,742	5.53	594	18	9,010	5.02	452	3-70	43	353	.07	24	29
23-32-0023	2593168	580836	9-64	4 305	10,985	5.18	569	16	8,930	4.99	446	11-69	42	331	.06	22	27
23-32-0023	2749436	591297	12-67	1 305	12,100	5.03	609	16	9,690	4.92	477	2-70	34	321	.06	22	27
23-32-0051	2591145	591297	2-65	2 305	12,025	4.91	590	9	9,120	4.92	449	4-69	38	427	.05	26	33
23-36-0113	2626375	584458	9-64	4 305	11,403	5.48	625	23	10,393	5.32	553	10-69	42	416	-.02	19	27
23-36-0272	2672303	584458	2-65	3 305	11,510	5.30	610	6	9,133	5.53	505	1-69	41	557	-.06	22	33
23-36-0272	2694559	584458	11-65	2 305	12,960	5.30	687	5	9,870	5.42	535	2-69	39	617	-.05	26	38
23-36-0353	2602961	584458	12-64	3 305	10,853	4.69	509	15	7,743	5.20	403	8-69	41	626	-.11	21	34
23-36-0353	2657565	591297	9-65	3 305	10,533	4.80	506	19	8,147	5.19	423	12-69	41	391	.00	20	27
23-36-0353	2734647	584458	8-67	1 305	12,600	4.60	580	18	8,510	5.35	455	2-70	35	616	-.12	19	32
23-36-0614	2495928	584458	11-62	6 304	11,457	5.26	603	25	9,712	5.24	509	12-69	43	507	-.04	22	31
23-36-0614	2495929	584458	11-62	6 302	11,877	4.88	580	26	9,610	5.23	503	11-69	43	574	-.10	19	31
23-36-0614	2511289	584458	2-63	5 304	12,388	4.94	612	8	10,176	5.00	509	3-69	43	574	-.06	23	34
23-36-0614	2511291	584458	3-63	4 302	11,055	5.23	578	12	9,938	5.06	503	7-69	42	424	-.02	19	27
23-36-0614	2571182	584458	11-64	4 301	11,680	5.09	594	19	10,015	5.17	518	12-69	42	494	-.06	19	29
23-36-0614	2609259	584458	7-65	3 305	11,460	4.85	556	20	9,207	5.17	476	7-69	41	543	-.09	19	30
23-36-0614	2694561	584458	2-65	3 303	11,640	4.89	569	7	8,437	5.03	424	6-69	41	645	-.08	25	37
23-36-0731	2415511	584458	9-60	6 298	13,515	5.09	688	11	9,947	5.23	520	9-69	43	749	-.07	31	45
23-36-0731	2415512	584458	10-60	6 305	12,328	4.97	613	12	9,892	5.19	513	8-69	43	600	-.08	22	34
23-36-0731	2556412	564125	10-63	3 305	12,390	5.54	687	5	10,453	5.08	531	4-69	42	313	.08	23	27
23-36-0731	2597957	584458	8-63	3 304	10,977	5.69	625	11	9,663	5.22	504	2-69	41	438	.02	24	31
23-36-0731	2597963	584458	8-64	4 302	11,783	5.15	607	10	9,618	5.09	490	7-69	42	552	-.04	24	34
23-36-0731	2600679	584458	12-64	3 305	10,573	5.32	562	13	9,083	5.15	468	3-69	41	452	-.03	20	28
23-36-0731	2649375	584458	11-65	1 305	13,000	4.43	576	9	9,810	5.30	520	1-69	35	557	-.14	15	27
23-36-0731	2674586	584458	12-64	4 299	11,910	5.48	653	10	9,913	5.26	521	11-69	42	535	-.01	26	35
23-36-0731	2688337	584458	4-66	2 304	12,755	4.77	609	7	9,945	5.14	511	6-69	39	588	-.10	20	32
23-36-0731	2688739	585393	8-63	3 305	13,673	5.40	739	18	10,026	5.11	512	11-69	40	471	.11	34	40
23-37-0031	2472046	571064	9-60	7 304	11,601	5.16	599	10	9,391	5.06	475	5-69	36	379	.04	23	29
23-37-0031	2727343	603327	11-67	1 305	13,320	4.91	654	11	9,130	5.20	475	10-69	23	456	.00	23	31
23-37-0031	2751461	603327	1-68	1 305	13,160	5.05	665	9	9,970	5.01	499	12-69	23	374	.04	22	28
23-37-0072	2734177	598112	1-67	1 305	12,520	4.89	612	26	8,070	5.06	408	12-69	23	420	-.01	20	27
23-38-0035	2412200	584458	1-61	7 305	12,006	4.66	560	8	9,741	5.14	501	8-69	43	575	-.12	17	29
23-38-0035	2704650	584458	1-67	1 303	12,960	4.45	577	5	10,320	4.73	488	2-69	35	518	-.10	17	28
23-38-0170	2536096	567370	8-63	4 305	10,888	5.12	557	8	8,873	5.14	456	2-70	44	431	-.02	20	28
23-43-0005	2580508	584458	12-64	4 305	10,080	5.06	510	15	8,708	4.95	431	1-70	42	441	-.03	19	27
23-43-0008	2493799	567370	6-62	3 248	12,390	4.91	608	13	9,680	5.03	487	7-69	42	507	-.04	22	31
23-43-0008	2518769	585904	11-62	6 304	14,703	5.41	796	20	10,200	5.13	523	11-69	43	733	.06	42	54
23-43-0008	2592452	584458	4-65	3 305	12,287	4.72	580	26	10,133	5.08	515	12-69	41	542	-.11	17	28
23-43-0008	2733428	584458	9-67	1 305	12,340	5.08	627	25	10,030	4.86	487	8-69	35	491	-.04	21	30
23-43-0123	2353646	564166	7-59	7 298	11,944	5.17	618	11	9,407	5.12	482	4-69	36	430	.04	25	32
23-43-0210	2631914	584458	9-65	2 305	13,120	4.51	592	5	10,210	5.17	528	11-69	39	602	-.14	17	30
23-43-0213	2368597	580836	1-60	2 305	12,525	5.57	698	5	10,140	4.99	506	4-69	39	335	.11	27	31
23-43-0213	2555499	593727	11-63	4 302	14,370	4.61	662	11	10,603	5.22	554	12-69	32	761	-.13	26	41
23-43-0213	2555502	593727	2-64	4 304	13,123	5.18	680	10</									

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HEROMATE AVERAGES... NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST T CALVO C MO-YR D	.....C O W REPT (X)	MILK (LBS)	I N O E X..... FAT (X) FAT (LBS)	..... OOL- LARS			
23-53-0084	2712030	571382	8-66	2 305	11,165	5.02	560	11	9,845	5.05	497	9-69	40	627	-.17	15	\$ 29
23-53-0084	2712032	571382	9-66	2 305	13,390	4.94	662	13	10,030	4.99	500	1-70	40	837	-.17	25	42
23-53-0084	2712036	571382	12-66	2 305	13,720	4.81	660	9	10,940	4.91	537	12-69	40	787	-.18	22	39
23-53-0084	2741812	571382	7-67	1 305	14,550	4.62	672	11	11,170	4.87	544	11-69	35	787	-.21	19	36
23-54-0005	2543651	584458	1-64	4 305	11,908	4.58	545	28	9,323	4.91	458	10-69	42	601	-.11	20	32
23-54-0038	2664086	603100	11-65	3 305	12,816	4.75	609	18	9,420	5.12	482	12-69	33	484	-.06	19	28
23-54-0038	2664093	571382	2-66	2 305	12,445	4.76	592	17	9,470	5.04	477	5-69	40	792	-.20	20	37
23-54-0038	2682878	571382	4-66	2 305	10,980	4.67	513	22	8,905	5.19	462	8-69	40	694	-.22	14	30
23-54-0038	2682880	571382	6-66	2 305	11,570	4.37	506	22	8,785	5.21	458	9-69	40	766	-.26	13	31
23-54-0038	2682881	571382	7-66	2 293	10,845	4.56	494	20	8,965	5.22	468	8-69	40	675	-.24	11	27
23-54-0038	2733894	583958	12-67	1 285	10,890	4.55	496	23	9,670	4.99	483	12-69	34	465	-.06	18	27
23-54-0038	2733896	583958	11-67	1 300	12,590	5.09	641	23	9,670	4.99	483	12-69	34	595	-.01	29	40
23-54-0038	2769165	583958	3-68	1 305	11,610	4.39	510	14	10,120	4.93	499	3-70	34	489	-.07	18	28
23-58-0337	2660124	571382	10-65	3 300	11,660	4.34	506	18	9,430	5.12	483	12-69	42	733	-.27	11	28
23-60-0138	2588305	584458	10-64	4 305	12,825	4.12	529	12	9,235	5.14	475	12-69	42	727	-.21	16	32
23-60-0138	2703795	584458	7-66	2 299	11,145	5.29	590	12	8,730	5.23	457	10-69	39	535	-.04	23	33
23-61-0004	2578189	546137	1-65	3 305	11,527	5.32	613	10	9,013	5.20	469	7-69	42	541	.08	35	43
23-61-0004	2631923	584458	12-65	3 290	11,267	5.06	570	9	9,547	5.23	499	3-70	41	485	-.07	18	28
23-61-0004	2705754	584458	1-67	2 303	13,420	4.74	636	7	9,720	5.23	508	4-70	39	678	-.11	23	37
23-62-0021	2603892	584458	4-65	3 305	11,717	5.42	635	37	9,680	4.94	478	12-69	41	523	.02	28	37
23-62-0021	2621361	597550	6-65	3 305	12,743	4.98	634	22	9,496	5.09	483	3-70	32	509	-.05	21	31
23-62-0021	2621362	603800	6-65	3 305	13,020	4.74	617	44	9,697	4.87	472	9-69	32	435	-.01	21	29
23-62-0021	2692693	584458	3-66	2 305	14,130	4.76	673	39	9,570	4.84	463	9-69	39	766	-.08	31	46
23-62-0021	2692694	584458	2-66	3 305	13,190	4.81	634	45	10,003	5.01	501	2-70	41	662	-.09	25	38
23-63-0014	2300618	474007	9-58	9 305	12,911	5.27	681	24	9,976	5.37	536	9-69	44	473	.00	24	32
23-63-0014	2554193	591297	8-63	5 304	12,426	5.08	631	25	10,436	5.22	545	2-70	43	398	.03	23	29
23-63-0014	2605486	584458	7-65	3 305	10,830	5.52	598	35	9,510	5.27	501	8-69	41	437	-.01	21	29
23-63-0014	2605489	584458	7-65	3 305	12,213	5.13	627	33	9,517	5.27	502	8-69	41	599	-.06	24	35
23-63-0014	2605491	585904	7-65	3 305	13,077	5.18	677	24	10,237	5.14	526	12-69	41	477	.00	24	32
23-63-0014	2684542	585904	1-66	2 305	11,940	5.28	631	22	9,570	5.21	499	7-69	39	386	.01	20	27
23-63-0014	2749070	584458	9-67	1 305	12,180	4.98	607	26	10,250	4.92	504	1-70	35	464	-.06	18	27
23-63-0062	2352433	526919	9-59	8 298	11,458	5.13	588	19	9,698	4.85	470	10-69	43	395	.09	28	33
23-64-0129	2595836	546137	3-65	2 305	12,715	5.11	650	29	9,410	5.16	486	2-69	40	598	.05	35	45
23-64-0129	2623770	546137	4-65	2 305	12,245	5.11	626	30	9,790	5.03	492	4-69	40	515	.07	32	40
23-64-0129	2623771	571382	10-65	3 305	12,143	4.56	554	30	9,983	4.96	495	2-70	42	732	-.23	15	31
23-64-0129	2634538	571382	3-66	2 305	12,670	4.38	555	26	8,940	5.03	450	7-69	40	864	-.25	19	38
23-64-0129	2668556	546137	8-65	3 301	11,460	5.68	651	35	9,550	5.32	508	10-69	42	477	.12	35	41
23-64-0129	2711973	571382	1-66	3 305	11,526	5.14	592	32	9,880	5.22	516	11-69	42	671	-.16	18	32
23-65-0063	2213914	563430	10-57	10 303	12,133	4.66	566	10	8,171	5.07	414	3-70	35	588	-.09	21	33
23-65-0063	2548478	596438	7-63	5 302	10,850	5.06	549	23	8,134	5.09	414	7-69	36	451	-.02	21	29
23-65-0063	2624365	584458	10-65	3 305	10,687	4.88	521	17	8,273	5.21	431	11-69	41	551	-.09	19	30
23-65-0063	2646617	583333	11-65	3 305	12,230	4.51	552	16	8,490	5.19	441	1-70	39	653	-.15	18	32
23-65-0063	2691245	584458	10-66	1 305	12,150	4.87	592	20	8,040	5.09	409	11-68	35	613	-.07	24	36
23-65-0179	2557670	585904	1-63	5 303	12,040	4.57	550	6	9,086	4.97	452	1-70	43	515	-.08	18	28
31-02-0800	2694685	578382	8-66	2 291	10,010	4.89	489	8	8,105	5.03	408	4-70	38	536	-.10	17	28
31-02-0840	2328599	508078	8-58	8 296	10,754	5.11	550	23	9,011	5.14	463	1-70	43	376	.05	23	29
31-03-9050	2558419	567370	1-63	3 305	10,233	5.20	532	12	8,097	5.04	408	7-69	42	423	.01	22	29
31-03-9103	2607359	563805	9-65	2 305	13,255	5.44	721	20	9,200	5.01	461	1-69	38	698	.08	43	54
31-04-0049	2686332	578382	8-66	1 305	12,340	5.21	643	6	8,710	5.06	441	12-68	34	647	-.08	25	38
31-04-0450	2511427	551357	9-62	6 293	10,792	5.09	549	65	8,015	5.32	426	9-69	35	488	-.05	20	29
31-04-0450	2601290	551357	9-63	5 299	11,090	5.28	586	51	7,890	5.36	423	7-69	35	550	-.02	26	36
31-04-0450	2634410	578382	7-65	2 287	11,205	5.27	591	32	8,985	5.31	477	3-69	38	578	-.08	21	32
31-04-0450	2656853	578382	10-65	3 301	10,156	5.09	517	69	8,180	5.31	434	10-69	41	559	-.11	18	29
31-04-0450	2732182	578382	10-67	1 305	11,710	4.96	581	56	8,500	5.32	452	12-69	34	613	-.12	19	32
31-04-0725	2178865	473215	10-56	8 301	12,045	4.67	562	25	9,413	5.15	485	9-68	43	647	-.15	18	32
31-06-0021	2541928	549126	4-63	4 305	12,490	4.88	610	13	9,970	5.19	517	6-69	42	416	-.01	20	27
31-06-0021	2625264	578382	7-65	1 305	12,860	5.01	644	12	10,480	5.26	551	11-69	34	565	-.12	17	29
31-06-0021	2685111	578382	1-66	3 303	11,546	5.28	610	12	10,253	5.26	539	2-70	41	503	-.08	18	28
31-06-0021	2759847	578382	10-67	1 305	13,330	4.98	664	18	10,140	5.12	519	9-69	34	624	-.11	21	34
31-06-0021	2759850	595550	11-67	1 305	15,000	4.73	709	16	10,480	5.21	546	11-69	34	530	-.02	25	35
31-07-0011	2409860	497574	9-60	8 303	11,911	4.73	563	10	9,438	5.01	473	2-70	44	654	-.07	26	39
31-07-0011	2453552	497574	9-61	7 292	10,277	4.76	489	7	9,241	5.01	463	1-70	44	464	-.06	18	27
31-07-0011	2546798	497574	9-63	5 301	13,144	4.32	568	14	8,980	5.06	454	11-69	44	868	-.15	29	47
31-07-0011	2549351	497574	9-63	5 298	10,148	4.97	504	15	8,806	5.08	447	12-69	44	498	-.03	22	31
31-07-0011	2699122	497574	8-66	2 305	11,265	5.00	563	11	10,050	4.95	497	1-70	40	483	-.01	23	32
31-07-0760	2366886	497574	9-59	8 305	11,311	4.69	531	12	9,508	4.77	454	2-70	44	567	-.05	24	35
31-07-0760	2519065	577042	12-61	5 305	11,670	4.85	566	19	9,504	4.79	455	9-69	43	402	.00	20	27
31-07-0760	2559706	497574	8-61	5 305	13,536	4.34	588	7	9,522	4.85	462	7-69	44	856	-.12	31	48
31-09-9042	2487264	576911	3-62	6 305	12,660	5.40	662	9	10,051	5.11	514	3-70	38	327	.09	25	29
31-09-9042	2731127	591149	9-67	1 305	16,720	4.44	742	8	11,440	5.11	585	11-69	30	520	-.10	17	28
31-12-0006	2353004	583455	9-59	6 284	12,053	5.43	654	32	9								

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C D	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS	
31-12-9306	2555604	594846	10-63	4 305	15,357	4.30	661	15	11,205	5.14	576	1-69	40	628	-.19	13	\$ 27
31-14-9006	2543861	592997	10-63	5 300	11,416	5.05	577	11	8,240	5.18	427	1-70	36	523	.00	26	35
31-14-9300	2742465	595550	10-67	1 305	11,890	5.42	644	20	9,330	5.29	494	9-69	34	370	.05	23	29
31-14-9900	2488092	583882	7-62	4 305	13,157	5.18	682	28	8,825	5.19	458	1-69	34	599	.02	32	42
31-14-9900	2506187	571291	10-62	5 287	12,872	4.75	612	24	9,638	5.08	490	2-69	44	545	-.02	25	35
31-14-9900	2716795	592728	11-64	2 305	12,120	4.85	588	33	9,160	5.16	473	6-69	30	469	-.06	18	27
31-15-0040	2491129	585904	1-62	5 304	12,482	5.34	666	8	9,766	5.30	518	9-68	43	493	.01	26	34
31-15-0040	2555191	591297	10-63	5 302	11,666	5.54	646	9	10,218	5.25	536	3-70	43	323	.11	26	30
31-15-0040	2615168	591297	10-65	3 301	12,383	5.12	634	8	10,337	5.22	540	11-69	41	376	.05	23	29
31-15-0040	2674393	584458	2-66	2 305	11,535	4.89	564	13	9,270	5.31	492	6-69	39	525	-.10	17	28
31-15-0040	2674395	584458	3-66	1 305	14,120	4.77	674	13	9,500	5.29	503	10-68	35	664	-.11	23	36
31-15-0110	2639997	592286	12-61	4 305	12,087	5.56	672	9	9,827	5.41	532	5-69	35	446	.05	27	34
31-15-0110	2730375	601882	11-67	1 305	13,350	5.27	704	6	9,760	5.54	541	11-69	25	392	.03	22	28
31-15-0140	2430580	508078	2-60	1 305	13,050	4.49	586	18	10,200	4.86	496	1-70	34	393	.00	20	27
31-15-0140	2646016	578382	10-65	1 305	13,210	4.97	656	13	10,570	4.84	512	11-69	34	585	-.09	21	33
31-15-0140	2737146	560800	10-67	1 305	13,730	4.32	593	12	10,470	4.93	516	11-69	35	538	-.09	18	29
31-15-0182	2495618	575184	8-62	5 297	12,442	4.47	556	6	8,070	5.22	421	11-69	44	637	-.15	18	31
31-15-0455	2649465	601882	9-65	3 305	13,133	5.17	679	10	10,163	5.45	554	8-69	33	473	.00	24	32
31-15-0569	2441349	575251	4-61	7 296	11,552	4.99	576	20	8,770	5.31	466	11-69	36	469	-.04	20	29
31-15-0569	2477681	575251	6-62	5 303	11,582	4.72	547	11	8,426	5.26	443	6-69	36	520	-.09	18	28
31-15-0569	2687182	594828	6-66	2 305	11,980	5.26	630	19	9,295	5.19	482	1-70	29	360	.03	21	27
31-15-9008	2622472	586368	1-63	5 304	11,726	5.14	603	19	8,818	5.27	465	11-69	36	411	.03	23	30
31-15-9008	2622474	586368	9-63	4 305	12,347	5.35	661	14	9,135	5.27	481	2-69	35	441	.07	29	36
31-15-9008	2622493	571291	9-65	2 305	11,210	5.42	608	20	8,605	5.31	457	6-69	40	384	.06	25	31
31-15-9673	2490529	582140	7-62	5 305	12,700	5.34	678	27	10,162	5.20	528	1-69	36	510	.03	28	36
31-15-9673	2526904	582140	1-63	5 305	14,086	4.81	677	16	9,804	5.18	508	8-69	36	765	-.09	30	45
31-15-9673	2539894	582140	10-63	4 300	13,427	4.79	643	21	10,515	5.17	544	3-69	35	554	-.09	19	30
31-15-9673	2615060	582140	3-65	3 305	13,786	4.70	648	24	10,933	5.15	563	2-69	33	524	-.10	17	28
31-15-9673	2615067	580714	9-65	2 304	13,655	5.25	717	30	10,765	5.09	548	2-69	35	540	.06	33	41
31-15-9673	2615070	580714	10-65	2 305	15,800	4.80	759	27	10,780	5.07	547	3-69	35	776	-.01	38	52
31-15-9673	2615075	580714	10-65	2 305	14,160	4.83	684	38	10,485	5.13	538	1-69	35	624	.00	31	42
31-15-9673	2615078	580714	11-65	2 305	12,275	5.24	643	35	10,755	5.12	551	1-69	35	388	.06	25	31
31-15-9673	2615079	580714	11-65	2 305	13,150	5.41	711	27	10,780	5.07	547	3-69	35	482	.10	33	40
31-15-9673	2656434	582140	2-66	2 305	13,615	4.85	661	19	10,270	5.24	538	7-69	30	535	-.07	20	30
31-15-9673	2656437	580714	12-65	3 305	13,590	4.89	665	29	9,617	5.18	498	11-69	37	698	-.01	34	46
31-15-9673	2678600	580714	5-66	1 305	11,800	5.06	597	30	9,560	5.20	497	10-68	30	402	.02	22	29
31-15-9673	2678601	580714	5-66	1 305	13,030	5.61	731	33	9,720	5.23	508	11-68	30	492	.09	33	40
31-15-9673	2678608	580714	8-66	1 305	10,740	5.68	610	33	9,720	5.23	508	11-68	30	303	.09	23	27
31-15-9673	2678609	582140	8-66	1 305	13,830	5.47	756	40	10,400	5.22	543	11-68	24	448	.02	24	32
31-15-9673	2695102	580714	9-66	1 305	11,200	5.43	608	27	9,340	5.19	485	9-68	30	369	.06	24	29
31-15-9673	2695107	580714	11-66	1 305	12,520	4.90	613	37	10,520	5.17	544	1-69	30	391	.00	20	27
31-15-9673	2706315	580714	1-67	1 305	13,970	4.91	686	27	10,540	5.10	538	2-69	30	509	.02	27	36
31-15-9673	2719123	582140	8-67	1 305	12,730	5.10	649	22	9,240	5.25	485	11-69	24	443	-.03	19	27
31-15-9673	2719125	580714	8-67	1 305	10,450	5.87	613	25	9,050	5.16	467	9-69	30	329	.10	26	30
31-15-9673	2719134	580714	5-67	1 305	10,680	5.83	623	18	8,940	5.10	456	7-69	30	356	.11	28	32
31-15-9673	2719138	600174	4-67	1 305	14,610	4.84	707	37	10,890	5.07	552	2-69	23	404	.00	20	27
31-15-9673	2755181	578382	1-68	1 305	13,880	4.78	664	23	9,230	5.22	482	12-69	34	730	-.13	24	39
31-19-9029	2699532	603032	10-66	2 305	12,430	4.19	521	9	8,175	4.80	392	2-70	28	670	-.15	19	33
31-19-9029	2740268	603032	7-67	1 293	13,710	3.97	544	14	7,980	4.82	385	12-69	22	688	-.17	18	33
31-21-0036	2582919	597112	8-64	3 305	12,903	4.62	596	27	9,643	5.12	494	9-69	32	505	-.07	19	29
31-21-0036	2609794	497574	3-65	3 305	11,370	4.97	565	23	9,843	5.12	504	12-69	42	526	-.04	23	33
31-21-0036	2624573	577042	12-61	3 302	13,467	4.98	603	17	10,170	4.94	502	8-69	41	516	-.09	17	28
31-21-0036	2624580	597112	6-63	4 304	13,072	5.05	660	24	9,757	5.04	492	1-70	33	543	.02	29	38
31-21-9024	2533440	591295	1-63	4 300	11,710	5.12	599	9	9,125	5.08	464	11-69	36	495	-.02	23	32
31-21-9024	2570735	577042	9-64	3 301	12,460	4.57	569	16	8,127	5.09	414	11-69	41	614	-.08	23	35
31-23-9094	2644549	578382	1-66	2 305	11,575	5.19	601	10	8,770	5.36	470	1-69	38	637	-.09	23	36
31-23-9095	2554346	595550	10-63	4 298	10,935	5.65	618	12	9,457	5.11	483	3-70	42	345	.11	27	31
31-23-9095	2750143	595550	4-68	1 305	12,450	4.87	606	10	9,650	4.99	482	3-70	34	391	.02	21	28
31-24-0009	2641174	575184	11-65	2 305	12,465	5.33	664	5	8,650	5.16	446	12-69	40	474	-.01	23	31
31-26-9390	2741206	578382	4-67	1 305	11,920	5.08	605	15	10,020	5.28	529	8-69	34	524	-.11	16	27
31-29-0330	2599555	590317	3-65	3 305	11,066	4.67	517	21	8,426	4.75	400	12-69	36	469	.01	24	32
31-30-0120	2538776	575184	9-63	4 305	13,625	4.78	651	9	9,748	5.20	507	1-70	44	574	-.10	19	31
31-30-0120	2643851	578382	2-66	3 298	12,580	4.79	602	8	10,220	5.08	519	1-70	41	629	-.13	19	32
31-32-0016	2727556	602754	10-67	1 305	10,960	5.47	600	17	9,780	5.44	532	11-69	28	397	.02	22	29
31-32-9780	2596725	575184	11-64	3 257	10,743	5.05	542	15	7,620	4.99	380	11-69	42	431	-.03	19	27
31-35-0100	2493690	589110	9-62	5 303	13,092	4.52	592	20	8,814	5.06	446	6-69	39	636	-.06	26	38
31-35-0100	2713283	602754	12-66	1 305	10,740	4.86	522	15	9,000	5.04	454	2-69	28	438	-.01	21	29
31-35-0100	2713284	602754	4-67	1 305	13,340	4.87	649	31	9,510	5.19	494	9-69	28	618	-.02	29	40
31-35-9008	2460118	577042	9-61	3 299	13,697	4.94	677	13	10,043	5.13	515	10-69	41	556	-.03	25	35
31-35-9008	2652729	577042	9-65	2 298	13,190	4.72	623	14	9,310	5.30	493	7-69	38	524	-.08	19	29
31-35-9008	2702564	602754	9-66	2 298	12,415	5.24	651	10									

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C REPT MO-YR D (%)	.....C O W MILK (L8)	I N O E X..... FAT (%) (L8)	DOL- LARS
31-39-9020	2669360	567370	10-61	4 305 11,285 4.63 522	13 8,673 4.90 425	4-69 44	503	-.07 19	\$ 29
31-39-9020	2672187	567370	10-61	1 305 12,830 5.33 684	11 8,230 4.97 409	6-69 36	543	.02 29	38
31-39-9020	2672189	572156	8-58	1 305 15,880 4.73 751	24 10,440 4.64 484	1-70 19	532	-.01 26	35
31-42-9060	2348684	497574	11-59	8 299 12,536 4.71 590	10 9,730 5.03 489	1-70 44	701	-.07 28	41
31-45-0017	2388986	508078	3-60	7 304 11,796 4.76 561	12 8,837 4.97 439	6-69 43	535	.00 27	36
31-45-0017	2402353	508078	7-60	3 305 11,910 4.99 594	20 8,747 5.08 444	2-69 41	520	.03 29	38
31-45-0017	2455690	508078	7-61	7 305 11,563 4.84 560	13 9,367 4.87 456	3-70 43	441	.03 25	32
31-45-0500	2597687	575184	11-64	3 287 10,370 4.87 505	8 6,957 5.00 348	6-69 42	457	-.05 18	27
31-45-0500	2692383	575184	7-66	2 305 11,535 5.25 606	18 7,715 4.87 376	12-69 40	465	.00 23	31
31-45-9035	2296215	576938	12-58	8 305 12,471 5.24 653	14 9,602 5.19 498	7-69 37	475	.05 28	36
31-45-9035	2536593	568199	7-63	4 304 13,402 5.09 682	16 11,042 5.05 558	2-70 40	448	.01 23	31
31-45-9035	2587276	568199	8-64	4 304 12,437 4.78 595	17 9,452 5.08 480	8-69 40	509	-.05 21	31
31-47-0756	2572757	577042	7-64	3 305 13,430 4.88 656	17 9,780 5.62 550	7-69 41	553	-.09 19	30
31-47-0756	2577914	577042	10-64	4 301 12,610 4.99 629	22 9,268 5.65 524	8-69 42	537	-.08 19	30
31-49-0043	2601914	591130	8-65	3 305 11,116 5.05 561	28 8,006 5.21 417	11-69 35	435	.01 23	30
31-49-9720	2346765	569178	9-58	4 303 14,135 4.54 642	15 8,978 5.18 465	9-69 37	768	-.15 24	40
31-49-9720	2363805	570509	9-59	7 305 11,068 5.31 588	12 8,761 4.98 436	10-68 38	406	.05 25	31
31-49-9720	2412946	570509	11-60	7 301 12,235 5.07 620	19 8,951 4.98 446	3-69 38	550	.02 29	38
31-49-9720	2700907	563805	1-67	1 305 12,780 5.20 665	17 8,990 5.26 473	6-69 34	582	.03 32	42
31-54-9016	2718990	563813	11-66	1 305 14,070 3.98 560	9 9,390 4.70 441	7-69 35	471	-.06 18	27
31-58-0009	2349378	508078	2-58	2 305 12,515 5.21 652	12 8,240 5.01 413	11-68 38	593	.07 36	45
31-59-0490	2681274	584458	9-66	1 300 12,800 4.88 625	13 9,960 5.14 512	1-69 35	531	-.08 19	30
31-59-9840	2409753	578237	11-60	4 304 13,158 4.31 567	13 9,268 4.92 456	5-69 42	599	-.11 20	32
31-59-9840	2409766	497574	11-61	3 293 10,940 4.52 494	25 8,877 5.11 454	11-68 42	577	-.09 20	32
31-59-9840	2744204	584458	3-67	1 305 11,130 4.76 530	10 8,590 4.78 411	7-69 35	498	-.06 19	29
31-59-9840	2744210	584458	9-66	2 291 11,870 4.74 563	21 9,200 5.17 476	11-69 39	566	-.10 19	30
31-59-9840	2744212	584458	12-66	2 295 11,370 4.85 552	21 9,450 5.07 479	1-70 39	491	-.08 17	27
31-60-0400	2733044	595550	10-67	1 305 10,450 5.46 571	11 7,540 4.68 353	12-69 34	383	.08 27	32
31-65-0027	2644245	563813	3-66	3 282 11,013 5.42 597	7 9,027 5.28 477	3-70 42	336	.07 23	28
31-67-0040	2645167	578382	9-65	2 305 10,835 4.73 513	14 8,155 5.13 418	11-69 38	617	-.14 18	31
31-68-0059	2663674	595116	7-66	2 305 10,790 5.38 581	19 7,995 5.23 418	2-69 31	406	.04 24	30
31-72-0018	2714035	602482	3-67	2 290 11,475 5.23 600	12 8,675 5.15 447	1-70 32	409	.04 24	31
31-72-9017	2616247	568199	6-65	3 305 11,420 5.04 575	18 8,333 5.20 433	11-69 39	485	-.01 23	32
31-72-9043	2604017	570543	10-60	5 300 11,310 4.34 491	9 8,600 5.01 431	7-69 36	614	-.12 19	32
31-72-9043	2538750	570543	5-63	5 304 10,260 5.24 538	9 9,172 5.00 459	1-70 36	382	.03 22	28
31-72-9043	2549128	570543	11-63	5 297 11,370 5.15 586	10 9,232 5.02 463	1-70 36	538	.01 28	37
31-74-0033	2506835	588192	6-62	3 295 10,733 5.69 611	25 7,693 5.62 432	2-69 29	417	.06 26	32
31-76-9425	2405547	497574	1-60	4 302 11,608 4.66 541	13 9,290 5.06 470	5-69 43	622	-.08 24	36
31-76-9425	2446709	497574	10-61	6 300 11,608 5.20 604	21 9,092 5.06 460	5-69 44	655	.00 33	44
31-76-9425	2495807	497574	12-62	5 304 11,904 4.34 517	20 9,182 5.09 467	2-69 44	683	-.14 21	35
31-76-9425	2524575	497574	5-63	4 287 11,495 4.33 498	11 9,515 5.04 480	4-69 43	583	-.13 17	29
31-76-9425	2745562	602754	10-67	1 305 12,220 5.15 629	35 9,310 5.22 486	11-69 28	539	.01 28	37
31-78-0468	2397283	549126	10-60	3 305 12,113 4.93 597	10 8,860 5.12 454	2-69 41	467	.02 25	33
31-81-9910	2302835	562794	10-58	6 304 11,646 5.02 585	6 9,086 5.24 476	9-69 36	599	-.04 26	37
31-81-9910	2302837	562794	11-58	8 298 12,367 4.82 596	9 9,017 5.15 464	6-69 36	716	-.07 29	43
31-81-9910	2694247	578382	6-66	2 296 10,770 5.00 538	19 8,880 5.30 471	11-69 38	543	-.12 16	27
31-83-0003	2692334	578382	11-66	1 305 12,180 4.56 555	12 8,580 4.93 423	9-68 34	644	-.14 19	32
31-85-9064	2435747	497574	3-61	3 305 10,557 5.20 549	22 9,073 5.29 480	4-69 42	512	-.02 24	33
31-85-9064	2533702	497574	10-61	3 305 10,747 4.70 505	25 9,243 5.25 485	11-68 42	516	-.08 18	28
31-85-9067	2394336	576342	2-60	6 305 13,763 5.62 774	22 8,793 5.33 469	8-69 39	674	.16 49	58
31-85-9143	2460680	497574	9-59	8 300 10,338 5.15 532	23 8,596 5.13 441	8-69 44	547	-.01 26	36
31-85-9143	2732447	605226	7-66	2 305 13,110 4.81 631	28 8,910 5.44 485	2-70 25	532	-.08 19	30
31-85-9148	2639851	581394	1-66	2 305 11,885 4.94 587	38 8,785 5.26 462	10-69 31	551	-.10 18	29
31-85-9175	2565688	497574	10-61	2 305 13,290 4.59 610	15 9,670 4.97 481	7-69 40	725	-.08 29	43
31-86-0063	2716803	497574	1-67	2 305 10,260 5.21 535	15 8,360 5.11 427	1-70 40	536	.00 27	36
31-88-0090	2566209	497574	10-62	3 305 11,630 4.68 544	12 8,590 5.09 437	9-69 42	687	-.07 28	41
32-01-0536	2607076	493850	12-54	3 296 13,240 4.12 546	15 8,477 4.99 423	9-68 35	570	-.14 15	27
32-01-0536	2608271	576127	10-65	2 305 11,990 5.10 612	16 7,860 5.10 401	8-69 38	512	.05 30	38
32-01-0536	2715736	560800	8-66	1 305 12,810 4.60 589	12 8,360 4.94 413	12-68 35	612	-.07 24	36
32-01-9050	2704663	605046	11-66	2 301 12,490 4.86 607	10 8,585 5.08 436	9-69 25	491	-.03 22	31
32-01-9050	2747491	608089	6-67	1 305 12,810 5.37 688	6 8,800 5.42 477	12-69 19	381	.02 21	27
32-06-0710	2533769	567370	2-63	3 305 12,250 5.29 648	16 8,400 5.39 453	3-69 42	624	-.01 30	41
32-06-0710	2611335	600257	5-65	3 305 11,260 5.28 594	21 8,400 5.43 456	8-69 32	394	.01 21	28
32-06-0710	2659399	563813	1-66	3 295 10,227 5.98 612	20 7,500 5.59 419	9-69 42	405	.12 31	36
32-06-0710	2668006	563813	4-66	2 305 12,200 5.27 643	18 8,795 5.30 466	5-69 40	453	.05 27	34
32-20-0764	2733665	560800	12-66	2 301 10,880 5.43 591	12 9,550 5.36 512	10-69 40	405	.00 20	27
32-29-9903	2522166	591028	12-62	5 302 11,220 5.20 583	5 9,650 4.92 475	2-69 36	507	-.01 24	33
32-29-9903	2706914	577042	10-66	2 305 12,760 4.48 572	7 8,530 5.15 439	9-69 38	552	-.09 19	30
32-33-9713	2501586	564125	9-62	4 305 15,095 5.19 784	8 8,960 5.27 472	1-70 43	832	.00 42	56
32-33-9713	2539416	564125	8-63	5 304 14,534 4.79 696	9 9,912 5.26 521	2-70 44	683	-.08 27	40
32-38-9651	2611922	591896	8-63	5 301 12,592 4.71 593	8 9,150 5.21 477	12-69 35	490	-.07 18	28
32-38-9900	2546904	583644	2-61	5 305 10,772 5.48 590	11 8,104 5.42 439	10-68 38	432	.10 31	37
32-38-9900	2722193	583644	2-67	2 305 12,080 5.44 657	7 9,555 5.36 512	3-70 33	359	.11 28	33
32-44-0820	2399766	473215	9-60	7 303 12,507 4.81 602	25 9,000 5.32 479	10-68 43	756	-.14 24	40
32-67-9003	2583969	595658	2-65	3 305 11,450 5.22 598	13 8,430 5.37 453	12-69 29	425	.00 21	28
32-68-9285	2448845	565303	11-61	4 258 13,368 5.96 797	11 8,395 5.36 450	8-69 41	602	.16 45	53
32-68-9285	2679324	595265	12-65	2 208 11,310 4.93 567	24 9,715 5.00 486	1-69 32	455	-.04 19	28
32-73-9241	2529187	563805	6-63	5 305 11,510 5.17 585	14 9,064 5.01 454	2-70 43	553	.05 32	41
32-73-9241	2598408	563805	5-65	3 305 10,717 5.15 552	14 8,410 5.24 441	9-69 41	529	.02 28	37
32-73-9241	2696323	563805	9-64	2 305 10,840 4.98 540	9 9,155 4.81 440	3-69 38	450	.04 26	33
32-82-0714	2566869	566496	12-63	4 305 11,030 5.05 557	23 8,627 5.14 443	6-69 35	391	.02 21	28
32-82-0714	2572955	567001	9-64	3 292 10,340 5.59 578	53 8,140 5.12 417	9-68 29	304	.09 23	27
32-89-0242	2702891	560800	11-66	2 305 10,515 5.08 534	5 8,625 5.29 456	2-70 40	453	-.04 19	28
32-90-0100	2680796	563813	8-66	2 305 11,530 4.58 528	8 8,370 5.04 422	12-69 40	424	-.02 19	27
32-90-0100	2706759	563813	3-66	2 297 13,720 4.71 646	11 8,600 5.01 431	11-69 40	626	.00 31	42

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8) FAT (%) (L8)	..HERDMATE AVERAGES.. NO. MILK (L8) FAT (%) (L8)	LAST T CALVD C REPT MO-YR D (%)C O W MILK (L8) FAT (%) (L8)	I N D E X..... FAT (%) (L8) FAT (%) (L8)	DOL- LARS
33-01-0744	2579745	525627	10-64	4 300 10,275 4.85 498	18 8,170 5.01 409	1-70 42	510 -.09 17	\$ 27	
33-09-0410	2447306	567370	9-61	3 305 13,867 5.06 701	10 9,110 5.36 488	4-69 42	736 -.04 33	46	
33-11-0147	2521272	497574	1-62	5 305 10,032 4.94 496	9 8,428 5.13 432	7-69 44	527 -.05 22	32	
33-11-0147	2523858	497574	1-62	4 299 10,773 4.88 526	7 8,578 5.08 436	5-69 43	598 -.04 26	37	
33-11-0613	2756960	595550	11-67	1 285 12,310 5.70 702	22 10,290 5.24 539	3-70 34	336 .09 25	29	
33-24-0614	2532263	567370	11-63	1 305 13,000 5.11 664	8 8,780 4.87 428	2-70 36	519 .00 26	35	
33-24-0614	2605918	570421	3-65	2 305 13,015 5.12 666	10 9,210 4.86 448	3-70 39	463 .00 23	31	
33-37-0210	2470597	567370	11-61	4 305 10,818 4.89 529	15 8,670 4.91 426	7-69 44	445 -.02 20	28	
33-37-0210	2623824	602461	6-65	3 305 12,153 4.53 550	16 7,440 4.89 364	11-69 29	652 -.07 26	38	
33-41-0211	2628525	593730	9-63	4 303 11,502 4.83 556	16 8,672 5.11 443	8-69 33	460 -.03 20	29	
33-41-0211	2628535	593730	8-64	4 305 10,785 5.39 581	16 8,770 5.18 454	3-70 33	343 .05 22	27	
33-41-0211	2742237	604622	11-67	1 305 12,760 5.78 737	35 8,870 5.14 456	12-69 19	370 .09 27	32	
33-46-0312	2546858	591148	12-63	4 305 11,960 6.14 734	12 8,643 5.63 487	10-69 33	619 .16 46	54	
33-46-0312	2594577	591148	2-65	4 285 10,578 5.42 573	10 8,613 5.55 478	3-70 8 33	422 .03 24	31	
33-46-0312	2614978	591148	11-65	2 305 13,560 5.24 711	9 8,710 5.51 480	2-69 29	735 .01 38	51	
33-46-0312	2666415	591148	4-66	3 279 12,617 5.54 699	10 9,283 5.34 496	3-70 8 32	604 .08 38	47	
33-46-0312	2680781	591148	11-66	1 305 13,820 5.39 745	13 8,890 5.49 488	12-68 23	609 .04 34	44	
33-46-0312	2704303	591148	1-67	1 305 13,250 5.78 766	11 9,890 5.35 529	2-69 23	476 .10 33	40	
33-46-0312	2704310	591148	4-67	1 305 11,250 5.47 615	7 9,420 5.28 497	4-69 23	333 .06 22	27	
33-46-0312	2753603	591148	5-68	1 239 13,010 5.13 667	12 9,060 5.41 490	2-70 8 23	522 .01 27	36	
33-62-0675	2435832	563805	4-61	3 305 10,143 5.71 579	31 8,440 5.15 435	1-69 41	458 .10 32	38	
33-62-0675	2552273	575184	1-64	4 304 12,300 4.52 556	24 8,485 5.14 436	2-69 44	550 -.12 16	28	
33-62-0675	2552275	575184	2-64	5 305 11,672 5.08 593	26 8,468 5.07 429	2-70 44	491 -.03 22	31	
33-62-0675	2677700	563805	10-66	1 305 11,180 5.08 568	40 8,800 4.92 433	2-69 34	472 .04 27	35	
33-69-0271	2194790	523387	2-57	9 305 11,849 5.26 623	18 8,851 5.14 455	7-69 38	443 .01 23	31	
33-77-0313	2588521	597006	9-64	3 305 12,536 5.44 682	17 10,213 5.26 537	7-69 33	447 .05 27	34	
33-77-0313	2592785	597006	7-64	3 305 15,066 5.15 776	22 10,560 5.25 554	2-69 33	744 .00 37	50	
33-77-0313	2592788	597006	10-64	3 305 13,313 4.94 657	16 10,166 5.23 532	7-69 33	557 -.04 24	34	
33-77-0313	2600460	554608	2-65	3 305 11,896 5.40 642	19 9,493 5.34 507	7-69 35	386 .03 22	28	
33-77-0313	2690122	575184	11-66	2 305 16,015 4.98 798	19 11,075 5.29 586	4-70 40	613 -.07 24	36	
33-77-0313	2733459	578382	4-66	2 305 14,700 4.84 712	42 11,075 5.26 582	2-70 38	747 -.14 24	39	
33-87-0717	2523169	589136	8-62	5 304 11,056 5.10 564	17 9,180 5.38 494	2-69 41	463 -.03 20	29	
33-89-0170	2476021	587850	2-62	5 305 12,456 5.43 676	6 8,842 5.30 469	5-69 35	648 .05 37	48	
33-89-0170	2502508	587850	2-63	5 294 12,606 5.28 665	5 8,454 5.28 446	11-69 8 35	724 .03 39	51	
33-89-0170	2542394	587850	7-63	4 305 11,455 4.78 547	5 9,012 5.18 467	5-69 34	460 -.05 18	27	
33-89-0170	2638037	587850	7-65	3 246 12,953 5.00 648	8 9,843 5.17 509	3-70 8 32	540 -.02 25	35	
33-92-0143	2675186	587831	4-64	2 305 15,320 4.79 734	8 11,535 4.93 569	2-69 29	502 -.03 22	31	
33-92-0143	2757372	587831	8-65	1 305 19,490 4.40 858	7 12,800 5.01 641	2-70 24	653 -.12 21	34	
33-92-0143	2758171	587831	8-65	3 305 15,846 4.93 781	8 12,060 5.09 614	1-70 32	571 -.04 25	36	
34-12-0001	2702078	604897	10-66	1 305 12,350 5.18 640	31 7,960 5.30 422	6-69 19	409 .01 21	28	
34-12-0095	2615910	571291	12-62	3 305 11,043 4.45 491	20 7,577 5.15 390	4-70 42	506 -.06 20	30	
34-12-0527	2563369	596786	1-64	5 288 11,936 5.81 693	8 9,746 5.17 504	12-69 37	452 .14 36	42	
34-12-0527	2601566	596786	1-65	4 299 11,940 4.93 589	9 9,758 5.20 507	11-69 36	440 -.02 20	28	
34-12-0535	2547756	595116	7-63	3 305 13,966 4.45 621	15 9,683 5.03 487	7-69 34	661 -.11 23	36	
34-12-0535	2655959	595116	7-65	1 305 11,420 6.08 694	14 8,910 4.89 436	5-69 26	314 .12 27	31	
34-12-0535	2681319	595116	8-66	1 302 13,620 4.61 628	35 9,490 4.84 459	3-70 26	460 -.03 20	29	
34-13-0005	2573610	563805	7-64	4 270 12,390 5.00 619	56 10,143 5.10 517	1-70 42	557 .01 29	39	
34-13-0005	2680144	598392	7-66	2 305 11,750 5.17 607	48 8,365 5.07 424	9-69 29	395 .02 22	29	
34-30-0297	2303712	563384	2-57	11 283 11,835 5.01 593	19 8,941 5.11 457	5-69 8 35	529 -.03 24	34	
34-38-0027	2360457	542963	6-58	2 305 13,110 5.16 677	13 10,010 5.21 522	12-69 28	447 -.01 21	29	
34-38-0069	2700233	584458	2-67	2 288 13,035 4.70 613	7 9,730 5.10 496	12-69 39	637 -.10 22	35	
34-44-0130	2577868	560800	7-64	3 305 10,933 4.90 536	8 8,947 4.88 437	9-68 42	486 -.02 22	31	
34-49-0016	2209089	502328	3-57	7 303 12,641 5.36 677	52 9,984 5.41 540	2-69 35	429 .04 25	32	
34-49-0016	2410137	553236	9-60	6 305 12,568 5.32 668	55 10,043 5.40 542	5-69 42	579 .04 33	42	
34-49-0016	2493282	587203	10-61	4 305 11,038 5.89 650	52 9,280 5.56 516	10-69 32	371 .08 26	31	
34-49-0016	2505039	497574	9-62	5 304 11,578 4.68 542	78 9,286 5.52 513	9-68 44	628 -.13 19	32	
34-49-0016	2507423	497574	9-62	5 305 13,512 5.05 683	43 9,644 5.51 531	6-69 44	838 -.07 35	51	
34-49-0016	2507990	497574	11-62	5 298 10,678 5.43 580	32 9,344 5.49 513	3-70 44	504 -.01 24	33	
34-49-0016	2598663	587097	8-64	4 296 11,365 5.51 626	60 8,447 5.59 472	4-70 33	436 .03 25	32	
34-49-0016	2672121	497574	5-66	2 299 13,255 5.36 710	89 8,840 5.77 510	9-69 40	797 -.03 37	51	
34-49-0016	2672126	497574	7-66	2 305 10,725 5.14 551	61 8,850 5.59 495	6-69 40	539 -.05 22	32	
34-49-0016	2701357	553904	11-66	1 305 14,020 5.24 735	71 8,450 5.75 486	8-69 31	492 .05 29	37	
34-54-0001	2468107	577107	11-61	7 304 11,521 4.99 575	21 9,112 5.39 491	9-69 38	556 -.07 21	32	
34-54-0001	2482323	577107	5-62	6 305 11,318 4.87 551	20 8,523 5.34 455	2-70 38	603 -.09 22	34	
34-54-0001	2572474	599331	12-64	4 305 13,755 4.90 674	10 10,355 5.12 530	4-70 35	554 -.04 24	34	
34-58-0023	2729895	584458	11-67	1 305 12,070 4.64 560	26 9,010 4.83 435	2-70 35	541 -.09 19	30	
34-58-0040	2720474	563813	8-66	2 305 12,560 5.07 637	8 9,390 5.11 480	2-70 40	435 .03 25	32	
34-59-0089	2422950	555208	3-61	7 303 11,904 5.34 636	5 9,270 5.16 478	5-69 39	514 .09 34	42	
34-62-0005	2478064	567370	11-61	3 305 12,240 4.39 537	26 8,477 5.11 433	11-68 42	615 -.11 20	33	
34-73-0018	2541828	556063	12-63	5 300 12,618 4.75 599	6 9,340 4.91 459	3-70 43	386 .07 26	32	
34-73-0018	2737099	584458	9-67	1 305 12,080 4.94 597	10 9,300 5.39 501	2-70 35	521 -.09 18	28	
34-73-0018	2737103	584458	12-67	1 305 13,840 5.22 723	10 8,720 5.29 461	11-69 35	696 -.05 30	43	
34-74-0805	2359013	508399	10-59	7 304 11,065 4.67 517	17 8,228 5.02 413	5-69 42	520 -.09 18	28	
34-74-0805	2729971	604166	7-66	2 305 11,110 6.11 679	18 7,885 5.54 437	12-69 29	435 .15 36	41	
34-76-0015	2497049	584562	9-62	4 305 10,720 6.09 653	34 8,175 5.32 435	8-69 4			

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	OOL- LARS			
35-10-0084	2717219	573431	6-66	1 305	11,610	4.83	561	15	9,310	4.83	450	1-69	34	434	-.01	21	\$ 29
35-10-0422	2687517	592920	11-66	2 305	13,700	4.80	658	5	9,650	5.36	517	1-70	36	559	-.13	16	28
35-10-0422	2713468	600211	1-67	2 305	12,010	5.30	636	7	10,295	4.96	511	1-70	37	350	-.06	23	28
35-17-0078	2710460	600211	11-66	1 305	14,670	4.34	637	13	10,180	4.91	500	2-69	33	528	-.06	21	31
35-17-0415	2622636	581394	7-65	1 305	14,790	4.24	627	5	8,490	4.97	422	5-69	26	747	-.17	21	37
35-18-0178	2616585	573431	10-65	2 305	12,485	5.35	668	7	9,800	5.08	498	9-69	38	528	.05	31	39
35-22-0050	2575071	573431	11-64	4 300	11,928	4.54	541	11	9,665	5.01	484	1-70	42	521	-.08	19	29
35-22-0050	2600892	573431	2-65	4 299	11,015	5.20	573	14	9,678	4.95	479	3-70	42	404	.04	24	30
35-22-0050	2600895	573431	3-65	4 300	12,893	5.18	668	14	9,795	4.99	489	3-70	42	629	.04	35	45
35-32-0037	2541496	560800	9-63	4 299	10,158	5.69	578	24	8,610	4.98	429	10-69	43	437	.07	28	35
35-34-0013	2603865	573431	1-65	4 302	13,745	4.69	644	24	10,270	5.13	527	1-70	42	683	-.08	27	40
35-34-0013	2719606	573431	1-67	2 305	12,190	4.78	583	21	10,000	5.12	512	3-70	38	478	-.04	20	29
35-36-0015	2660289	573431	11-65	3 302	10,670	4.97	530	8	8,970	4.77	428	11-69	41	432	.03	24	31
35-36-0015	2674941	573431	7-65	2 305	13,505	4.24	573	10	8,935	5.04	450	3-69	38	716	-.11	25	39
35-36-0015	2674942	573431	2-66	2 305	12,635	5.12	647	10	8,765	5.00	438	3-69	38	641	.02	34	45
35-36-0015	2690129	573431	6-66	2 305	12,030	4.82	580	11	8,270	4.86	402	6-69	38	624	-.01	30	41
35-36-0015	2743423	573431	10-67	1 305	10,050	5.14	517	8	7,850	4.90	385	10-69	34	415	.01	22	29
35-36-0030	2704588	600211	9-66	2 305	12,870	4.51	580	9	9,360	5.14	481	2-70	37	531	-.07	20	30
35-36-0149	2666634	573431	6-66	2 303	12,355	5.46	674	16	9,720	5.37	522	2-70	38	522	.03	29	38
35-45-0142	2164119	553768	5-55	8 304	11,330	5.51	624	11	9,476	5.15	488	8-69	35	315	.11	26	30
35-45-0142	2710845	600211	12-66	2 305	12,615	4.80	606	11	9,170	4.96	455	12-69	37	522	-.01	25	34
35-45-0142	2710846	600211	12-66	2 305	10,990	5.61	617	8	9,085	4.94	449	12-69	37	357	.10	27	32
35-48-0075	2525661	568425	9-62	5 305	11,718	5.35	627	16	9,844	5.16	508	9-69	37	321	.06	22	27
35-49-0141	2584207	566264	9-64	4 288	13,760	4.55	626	16	8,802	5.14	452	12-69	41	735	-.10	27	41
35-49-0176	2639852	566892	1-66	2 305	11,130	5.20	579	7	9,480	4.91	465	3-69	32	311	.10	25	29
35-49-0176	2659188	591131	11-65	1 305	12,080	4.89	591	5	8,390	5.07	425	5-69	35	368	.03	21	27
35-53-0017	2551884	573431	12-63	4 280	10,413	4.71	490	6	8,505	5.15	438	3-70	8 42	462	-.05	18	27
35-53-0017	2634679	573431	10-65	2 305	10,545	4.77	503	9	8,250	5.16	426	1-69	38	471	-.04	20	29
35-53-0035	2531490	573431	10-63	4 305	13,480	4.71	635	13	10,825	5.14	556	12-69	42	586	-.07	23	34
35-53-0035	2711353	584458	2-67	2 305	16,425	4.60	756	13	10,980	5.14	564	3-70	39	872	-.14	30	48
35-54-0052	2724201	598681	9-67	1 305	14,070	4.45	626	18	9,250	5.15	476	11-69	26	491	-.07	18	28
35-56-0037	2488649	568425	1-62	6 305	11,713	5.49	643	22	9,673	5.38	520	11-69	37	343	.05	22	27
35-56-0037	2540882	592437	8-63	5 305	12,574	4.69	590	19	9,142	5.40	494	3-70	34	576	-.11	18	30
35-56-0037	2618111	563813	10-65	2 305	12,425	5.50	683	21	10,005	5.60	560	8-69	40	365	.05	23	29
35-56-0256	2499339	566892	1-63	5 300	12,748	5.73	730	39	11,648	5.13	598	6-69	37	306	.18	32	35
35-56-0256	2499707	593406	12-62	4 305	16,197	5.51	892	39	11,597	5.23	606	7-69	35	742	.08	45	57
35-56-0256	2557626	530104	2-64	4 305	13,865	5.27	731	21	11,497	5.11	588	4-70	36	424	.05	26	33
35-56-0256	2557634	581394	5-64	3 303	13,470	5.05	680	35	10,763	5.20	560	9-69	34	561	-.08	21	32
35-56-0256	2578650	581394	7-64	4 304	15,147	5.01	759	32	12,280	5.13	630	2-70	35	629	-.08	24	36
35-56-0256	2605572	566892	1-65	3 305	13,370	6.07	812	35	11,780	5.17	609	7-69	34	356	.24	40	42
35-56-0256	2622638	579780	7-65	3 305	15,973	4.60	734	36	11,650	5.07	591	1-70	37	707	-.12	24	38
35-56-0256	2622641	563805	7-65	2 305	13,825	5.19	717	38	11,730	5.06	594	1-69	38	520	.04	30	38
35-56-0256	2678162	566892	4-66	2 305	13,855	5.46	756	40	11,005	5.13	565	10-69	32	467	.12	35	41
35-56-0256	2682408	566892	9-66	2 280	13,755	4.99	686	40	11,005	5.13	565	10-69	32	455	.05	27	34
35-56-0256	2704508	563805	1-67	1 185	14,360	4.74	681	19	12,420	5.10	634	4-69	8 34	466	-.01	22	30
35-56-0256	2720279	566892	4-67	1 275	14,330	4.80	688	34	10,550	5.26	555	8-69	8 26	463	.02	25	33
35-56-0256	2720285	563805	6-67	1 305	12,680	5.23	663	36	10,960	5.26	577	8-69	34	438	.02	24	31
35-57-0063	2367404	573431	12-59	3 251	12,240	5.20	636	19	11,083	5.09	564	5-69	8 41	392	.03	22	28
35-57-0063	2586962	566264	9-64	3 283	13,460	5.10	686	21	10,823	5.22	565	2-69	8 40	442	-.02	20	28
35-57-0063	2603058	573431	1-65	1 305	11,870	5.12	608	7	10,010	5.26	527	9-68	34	406	.00	20	27
35-57-0063	2616579	573431	9-65	2 227	14,025	4.96	695	18	11,100	4.97	552	5-69	8 38	566	.00	28	38
35-57-0063	2616582	573431	10-65	1 305	11,910	5.56	662	13	10,470	5.16	540	11-68	34	377	.04	23	29
35-57-0063	2616586	573431	11-65	2 251	13,150	5.05	664	18	11,295	4.98	562	3-69	8 38	457	.01	24	32
35-57-0063	2616587	573431	11-65	2 213	13,055	4.91	641	15	10,945	4.97	544	6-69	8 38	480	-.01	23	32
35-57-0063	2730842	573431	4-67	1 136	13,620	4.82	656	18	11,270	4.78	539	5-69	8 34	453	.00	23	31
35-57-0063	2730853	600211	10-67	1 305	13,120	5.67	744	6	10,240	5.30	543	2-70	33	401	.06	26	32
35-63-0023	2584891	573431	7-63	3 299	11,663	4.34	506	24	8,887	5.01	445	7-69	41	558	-.09	19	30
35-63-0023	2596538	563813	1-65	3 302	12,430	4.63	575	22	9,140	5.04	461	2-69	42	489	-.03	22	31
35-63-0023	2701955	563813	9-65	2 305	12,800	5.13	656	24	9,785	5.03	492	1-70	40	423	.05	26	33
35-63-0120	2522551	573431	3-61	3 301	12,303	4.87	599	14	8,387	5.01	420	1-69	41	687	-.01	33	45
35-63-0120	2688194	602155	11-66	1 305	13,980	4.36	609	25	8,290	5.05	419	5-69	24	548	-.10	18	29
35-68-0063	2671594	600211	8-66	2 305	12,505	5.15	644	19	9,465	5.24	496	8-69	37	482	.02	26	34
41-10-0314	2718060	602658	12-66	1 305	10,700	4.66	499	5	9,520	4.72	449	6-69	26	643	-.10	23	36
41-10-0349	2420542	544401	9-60	2 304	11,920	5.60	667	6	10,275	5.17	531	4-69	34	321	.06	22	27
41-10-0368	2741354	595265	9-67	1 305	14,300	4.83	691	21	10,850	5.11	554	9-69	26	572	-.06	23	34
41-10-0368	2746644	595550	1-68	1 305	13,230	4.97	657	19	9,930	5.24	520	2-70	34	432	.00	22	29
41-10-9311	2602976	558172	10-63	5 304	14,952	4.90	732	8	11,148	4.92	548	3-70	43	707	-.04	32	45
41-14-9020	2322409	557572	4-59	5 305	12,442	5.08	632	12	9,454	5.09	481	7-69	35	431	.03	24	31
41-14-9020	2435833	589136	4-61	6 305	14,380	4.20	604	10	9,971	4.99	498	6-69	41	823	-.17	25	42
41-14-9020	2643107	567839	6-58	3 305	13,187	5.43	716	15	9,560	4.90	468	9-68	31	553	.12	39	47
41-14-9020	2643108	5678															

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO. MILK (L8)	AVERAGES... FAT (%)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS
41-45-9147	2454725	530104	10-61	7 298	13,235	4.50	595	8 8,481	5.01	3-70	37	742	-.10	28	\$ 42
41-56-0069	2616907	571291	7-64	3 305	10,937	5.06	553	19 8,550	5.04	2-69	42	392	.04	23	29
41-56-0268	2641328	559606	2-64	3 305	10,720	5.09	546	10 7,853	4.90	2-69	38	407	.04	24	30
41-56-0285	2527780	563813	9-63	3 305	12,420	6.32	785	19 10,080	5.07	12-68	42	390	.23	41	44
41-56-0285	2529931	567370	9-63	4 305	14,980	4.27	640	21 10,185	5.26	1-70	44	791	-.19	21	38
41-56-0332	2294448	544401	10-58	5 302	12,328	5.46	673	13 9,800	5.02	2-70	39	483	.08	32	39
41-56-0332	2345971	544401	1-59	5 296	12,016	4.69	563	11 9,378	4.94	3-70	39	493	-.05	20	29
41-56-0332	2417281	562033	6-60	6 305	13,920	5.18	721	13 9,608	5.07	9-68	36	681	.00	34	46
41-56-0332	2490859	587065	5-62	6 305	12,763	4.88	623	15 9,303	5.01	12-69	38	726	-.08	29	43
41-56-0343	2680099	572331	8-66	2 288	11,030	4.50	496	12 9,110	4.93	2-70	35	683	-.14	21	35
41-74-0048	2482451	535683	2-62	6 290	11,580	5.21	603	26 9,757	5.06	11-69	39	355	.06	23	28
41-74-0048	2659861	564837	10-64	3 294	12,533	4.95	620	34 9,543	5.18	10-69	34	415	.00	21	28
41-74-0048	2693344	535683	9-65	2 305	11,350	5.77	655	29 9,340	5.17	7-69	34	321	.12	27	31
41-79-0010	2680981	598173	3-66	2 305	11,085	5.15	571	11 8,300	4.86	9-69	29	440	.03	25	32
41-79-0098	2650444	572331	2-66	2 300	11,495	4.82	554	18 8,865	5.28	6-69	35	758	-.13	25	40
41-79-0098	2712542	563813	2-67	2 297	12,565	5.14	646	20 9,360	5.21	11-69	40	438	.03	25	32
41-79-0098	2755389	593816	4-68	1 305	14,400	5.43	782	12 9,720	5.27	3-70	25	649	.06	38	48
41-79-9262	2501281	581394	1-63	4 290	11,227	4.72	530	15 8,560	5.14	6-69	35	549	-.12	16	28
41-82-0160	2509438	566892	3-63	3 305	10,673	5.17	552	11 8,887	5.15	6-69	34	344	.06	23	28
41-82-0160	2583607	566892	12-64	2 305	12,975	4.92	639	13 9,685	5.12	4-69	32	502	.03	28	36
41-83-0097	2440100	588380	6-61	4 282	11,390	4.57	521	5 7,545	5.18	12-69	32	514	-.09	17	27
41-85-0379	2644448	591131	11-64	2 305	10,620	4.32	459	15 6,300	5.25	10-69	39	504	-.06	20	30
41-86-0040	2626709	583969	3-64	4 302	10,847	5.25	570	10 8,325	5.21	5-69	35	431	-.03	19	27
42-03-0018	2475360	573431	11-61	5 299	11,974	4.84	580	17 9,244	5.02	3-69	43	589	-.03	27	38
42-03-0018	2697690	600211	7-66	2 298	11,770	4.92	579	18 8,500	5.20	11-69	37	496	-.01	24	33
42-03-0052	2444942	576967	5-61	3 305	12,787	5.17	661	26 8,773	5.30	11-68	29	571	-.01	28	38
42-03-0052	2538486	595928	8-63	4 295	12,672	4.55	576	16 8,797	5.33	8-69	33	546	-.12	16	27
42-06-0012	2616203	561701	7-65	2 305	10,110	5.40	546	6 7,760	5.40	3-69	38	537	-.05	22	32
42-07-0106	2677566	607277	5-65	2 305	10,990	5.12	563	59 7,330	5.14	9-69	29	412	.01	22	29
42-07-0106	2679254	585403	7-64	2 305	10,140	5.23	530	49 7,020	5.09	11-68	29	390	.03	22	28
42-07-0106	2685912	600512	11-66	2 305	11,430	5.00	572	56 7,400	4.96	3-70	29	558	.01	29	39
42-07-0106	2717579	600512	1-67	2 305	11,530	5.11	589	65 7,505	5.01	12-69	29	558	.02	30	39
42-07-0106	2719820	600512	2-67	1 305	10,360	5.39	558	33 7,630	4.93	5-69	23	331	.06	22	27
42-07-0106	2719822	600512	2-67	1 305	10,600	5.27	559	48 7,490	5.02	7-69	23	364	.04	22	28
42-07-0106	2719824	600512	2-67	2 305	10,975	5.49	603	64 7,575	4.99	1-70	29	484	.08	32	39
42-07-0106	2732653	600512	4-67	1 305	12,490	5.07	633	36 7,560	4.97	4-69	23	530	.02	28	37
42-07-0106	2732657	600512	7-67	2 305	10,465	5.45	570	30 7,770	4.90	3-70	29	401	.07	27	33
42-07-9015	2587326	598818	9-64	4 305	11,327	5.56	630	25 8,850	5.62	12-69	34	425	.05	26	33
42-16-9012	2179065	537087	7-56	7 305	13,964	4.39	613	13 9,146	5.02	4-69	36	818	-.14	27	44
42-25-0068	2692435	603938	9-66	2 230	14,000	5.66	793	12 8,680	5.39	4-70	25	671	.09	42	52
42-33-9147	2540603	596941	6-63	5 305	12,046	5.36	646	9 8,940	5.25	3-70	36	454	.05	27	34
42-33-9147	2553122	577289	4-63	4 305	10,722	5.50	590	9 8,860	5.00	6-69	35	324	.08	24	28
42-41-0029	2567605	579316	8-62	5 304	12,990	4.72	613	11 9,684	5.04	5-69	36	541	-.05	22	32
42-41-0029	2630131	579316	9-64	3 305	12,983	4.72	613	16 9,866	4.91	3-69	33	467	-.04	20	29
42-41-0029	2630136	579316	3-65	2 305	13,665	4.66	637	11 9,170	5.15	10-69	30	576	-.07	22	33
42-41-0029	2646026	588371	9-65	3 305	13,263	4.85	643	17 9,646	5.17	11-69	32	540	-.06	21	31
42-42-9017	2465780	581550	12-61	5 305	12,606	4.57	576	6 9,208	4.60	3-70	35	503	-.03	22	31
42-50-9022	2605973	597991	4-65	3 305	13,080	5.29	692	15 9,410	5.14	10-69	32	587	.03	32	42
42-50-9022	2612218	601033	10-65	3 305	13,933	4.66	649	36 9,920	5.24	3-70	33	536	-.09	18	29
42-51-0006	2474893	583976	9-61	6 305	11,488	4.42	508	20 8,248	5.21	4-70	39	623	-.17	15	29
42-51-0006	2595547	563805	1-64	4 301	10,583	5.91	625	28 8,305	5.20	8-69	42	538	.14	40	47
42-56-0024	2597048	562315	11-64	3 298	11,593	5.23	606	13 8,740	5.15	2-70	42	388	.02	21	27
42-56-9019	2503516	561701	9-62	3 305	11,533	5.34	616	13 9,260	5.26	1-69	41	566	-.04	25	35
42-56-9019	2506173	561701	1-63	3 305	12,187	5.28	644	12 9,757	5.25	10-69	41	591	-.05	25	36
42-56-9019	2553527	561701	11-63	4 305	13,123	4.53	595	10 9,330	5.13	8-69	42	774	-.15	24	40
42-56-9019	2574824	589166	7-64	3 305	12,530	4.84	607	13 10,273	5.20	2-69	38	519	-.05	21	31
42-56-9019	2574828	589166	10-64	4 284	11,927	4.77	569	12 9,472	5.20	11-69	8 40	548	-.07	21	32
42-56-9019	2645256	589166	8-65	3 251	10,336	5.61	580	12 9,210	5.18	2-70	8 38	366	.06	24	29
42-56-9019	2645259	562315	12-65	3 302	13,463	5.09	685	15 9,983	5.20	12-69	42	476	-.01	23	31
42-56-9019	2713033	561701	3-67	1 305	12,280	4.61	566	14 9,570	4.79	7-69	34	538	-.09	18	29
42-56-9019	2713035	561701	4-67	1 305	13,160	5.26	692	12 9,460	5.39	12-69	34	613	-.07	24	36
42-56-9019	2713036	561701	3-67	1 305	11,420	5.35	611	16 9,320	5.14	10-69	34	489	-.05	20	29
42-57-0031	2586502	589166	9-64	2 305	10,215	5.55	567	13 7,595	5.36	11-68	36	501	.03	28	36
42-60-9008	2736301	601883	10-67	1 305	13,530	4.80	649	20 9,830	5.28	11-69	26	521	-.04	22	32
42-60-9009	2364383	561491	10-59	5 305	13,668	4.56	623	28 10,050	5.01	7-69	38	551	-.10	18	29
42-60-9009	2475809	559151	3-62	4 305	17,385	3.99	694	20 10,235	4.98	11-69	38	1,196	-.30	30	56
42-60-9009	2600721	559151	12-64	3 305	14,563	4.76	693	21 10,193	5.06	8-69	37	787	-.12	28	44
42-60-9009	2662482	601883	8-65	2 305	13,030	5.29	689	50 10,555	5.08	11-68	31	487	.05	29	37
42-60-9009	2666306	601883	8-65	2 305	14,035	5.53	776	51 10,340	5.10	9-68	31	627	.09	40	49
42-60-9009	2669109	601883	9-65	3 305	12,950	4.74	614	41 10,253	5.05	9-69	34	543	-.04	23	33
42-60-9011	2470518	559151	2-61	5 300	11,756	5.06	595	10 9,722	5.13	2-70	39	509	-.07	19	29
42-60-9011	2519727	566892	9-62	4 304	12,013	4.74	570	24 9,523	5.16	9-69	36	465	.00	23	31
42-60-9011	2579934	590804	9-63	5 302	13,942	4.93	688	16 9,340	5.12	1-70	37	755	.00	38	51
42-60-9011	2666304	601883	12-65	2 305	14,215	4.68	665	16 9,885	5.11	1-70	31	696	-.06	29	42
42-60-9011	2743553	600211	2-67	2 297	12,310	5.35	658	10 10,200	5.15	3-70	37	391	.05	24	30
42-64-9064	2519400	567370	12-62	3 305	13,800	4.16	574	12 9,937	4.86	2-69	42	643	-.14	19	32
42-64															

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HEROMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LBS)	I N O E X..... FAT (%)	FAT (LBS)	..OOL- LARS		
43-04-9046	2637747	577026	4-63	3 300	13,200	5.49	725	36	11,037	5.08	561	7-69	41	369	.07	25	\$ 30
43-04-9046	2637753	594664	1-65	3 305	14,583	4.53	661	45	11,570	5.06	586	11-69	36	635	-.18	15	29
43-04-9046	2637755	577026	3-63	2 305	14,810	5.12	759	42	10,720	5.07	543	6-69	39	536	.01	28	37
43-04-9046	2676515	606095	3-66	2 297	12,800	5.38	689	35	11,355	5.06	575	7-69	29	414	.09	29	35
43-04-9046	2695095	606095	7-66	2 305	16,960	4.75	805	52	12,125	4.92	597	2-70	29	834	-.02	40	55
43-04-9046	2695098	598547	7-66	2 299	14,205	5.24	745	50	12,220	4.93	603	2-70	29	332	.06	22	27
43-04-9046	2704742	606095	9-66	2 305	14,090	5.15	725	45	12,105	4.98	603	11-69	29	489	.06	30	38
43-04-9046	2704743	606095	9-66	2 305	14,680	5.43	797	39	11,930	5.00	597	10-69	29	579	.11	39	47
43-04-9046	2706763	606095	8-66	2 305	13,595	5.27	717	45	12,105	4.98	603	11-69	29	429	.08	29	35
43-04-9046	2706764	606095	8-66	2 305	13,300	4.84	644	38	11,675	5.04	588	11-69	29	440	.00	22	30
43-04-9046	2711576	606095	11-66	2 305	15,330	4.96	760	39	12,020	4.92	591	4-70	29	648	.04	36	47
43-04-9046	2715057	606095	1-67	2 305	15,445	5.34	825	51	12,290	4.95	608	12-69	29	633	.11	42	51
43-04-9046	2723750	606095	4-67	1 305	15,010	4.92	739	41	11,110	5.06	562	6-69	23	600	.01	31	41
43-04-9046	2723752	606095	4-67	1 305	14,700	5.59	822	41	10,670	5.08	542	8-69	23	608	.10	40	49
43-04-9046	2723753	606095	5-67	1 305	15,480	5.47	847	41	11,110	5.06	562	6-69	23	643	.09	41	51
43-04-9046	2723754	606095	5-67	1 305	13,580	5.25	713	39	10,560	5.06	534	7-69	23	516	.06	31	39
43-04-9046	2723755	606095	3-67	1 305	12,620	5.15	650	39	10,560	5.06	534	7-69	23	429	.05	26	33
43-04-9046	2723757	606095	3-67	1 305	12,390	5.15	638	39	10,560	5.06	534	7-69	23	408	.04	24	31
43-04-9046	2723758	606095	5-67	1 283	12,020	5.66	680	41	10,670	5.08	542	8-69	23	365	.11	28	33
43-04-9046	2739212	606095	11-67	1 305	15,780	5.22	823	52	11,260	5.04	567	1-70	23	658	.06	39	49
43-04-9046	2739225	598547	12-67	1 305	14,970	5.46	818	36	11,750	5.02	590	3-70	23	373	.07	25	30
43-05-0004	2605587	563813	1-65	4 290	11,440	5.34	611	23	9,895	4.95	490	3-70	43	306	.09	24	28
43-14-0034	2634369	597356	8-65	3 297	10,183	5.44	554	7	7,210	5.20	375	1-70	32	486	.03	27	35
43-14-0034	2634374	597356	12-65	2 297	10,315	5.07	523	10	6,895	5.29	365	2-69	29	497	-.03	22	31
43-16-0009	2566982	593629	3-64	3 305	14,163	4.55	645	23	9,903	4.83	478	4-69	32	651	-.08	25	38
43-16-0009	2575942	497574	6-64	3 297	13,103	4.37	572	37	9,237	4.92	454	11-68	42	791	-.11	29	45
43-16-0009	2720744	560800	8-67	1 305	11,480	4.71	541	25	8,480	4.72	400	9-69	35	503	-.03	22	31
43-16-0009	2728351	560800	8-67	1 305	11,660	4.07	474	23	8,390	4.74	398	8-69	35	523	-.10	17	28
43-16-0009	2731840	560800	10-67	1 305	13,470	3.92	528	23	9,190	4.68	430	11-69	35	605	-.12	19	31
43-19-9075	2491084	575766	1-62	5 305	13,710	4.89	671	10	11,138	4.91	547	7-69	36	537	-.02	25	35
43-35-9099	2525188	567370	2-63	4 305	13,605	4.55	619	10	10,078	5.17	521	5-69	44	633	-.12	20	33
43-40-9003	2576964	567370	6-64	5 300	10,886	5.32	579	22	8,468	5.20	440	3-70	44	487	.01	25	33
43-40-9003	2662394	563813	11-65	2 302	11,600	5.16	599	25	8,550	5.16	441	6-69	40	414	.05	25	31
43-44-9077	2453340	562913	7-61	3 305	15,990	5.12	818	13	9,650	5.08	490	6-69	38	714	.00	36	48
43-44-9077	2603561	598746	1-65	3 305	12,590	4.62	582	18	8,927	5.21	465	1-70	29	523	-.10	17	28
43-46-9003	2540540	592841	8-63	4 296	13,055	4.98	650	36	10,265	5.27	541	4-69	35	500	-.05	20	30
43-46-9003	2621294	600335	6-65	2 305	13,370	5.24	701	32	9,490	5.35	508	1-69	29	555	.00	28	38
43-46-9003	2641067	600335	7-65	2 305	14,365	4.39	630	35	9,510	5.36	510	12-68	29	672	-.15	19	33
43-46-9029	2396007	578776	9-60	6 305	12,920	4.34	561	17	9,611	5.09	489	1-70	38	721	-.20	17	33
43-46-9029	2548651	567370	8-63	5 296	12,138	5.14	624	20	9,990	5.10	509	1-70	44	472	-.01	23	31
43-46-9029	2559059	567370	12-63	5 305	13,778	4.41	608	19	10,682	4.96	530	3-70	44	603	-.13	18	31
43-46-9029	2566758	563805	7-64	4 304	11,765	5.22	614	36	10,560	5.16	545	8-69	42	430	.04	25	32
43-46-9029	2581668	497574	11-64	4 305	12,295	4.99	613	21	9,193	5.20	478	9-69	43	719	-.04	32	45
43-46-9029	2593061	577026	11-64	3 305	13,007	4.96	645	17	10,237	5.14	526	3-70	41	431	-.03	19	27
43-46-9029	2613095	597562	11-65	2 305	14,725	4.58	674	19	10,145	5.11	518	6-69	32	756	-.13	25	40
43-46-9029	2637272	563805	10-65	2 305	12,610	4.95	624	19	11,000	5.11	562	5-69	38	461	.00	23	31
43-46-9029	2730631	591149	12-67	1 305	15,180	5.34	810	23	10,520	4.88	513	1-70	30	461	.05	28	35
43-48-0061	2367655	568408	1-60	5 305	12,122	4.77	578	19	8,300	5.08	422	7-69	35	685	-.06	29	42
43-50-9036	2560421	591149	1-64	4 303	13,630	5.11	696	22	11,135	4.89	544	1-69	39	420	.03	24	31
43-97-9038	2365054	577828	11-59	5 305	12,632	5.07	640	49	9,802	5.22	512	10-68	35	574	-.04	25	36
43-97-9038	2369961	583086	4-60	5 302	10,314	5.74	592	39	8,512	5.24	446	12-68	36	378	.10	28	33
43-97-9038	2380558	583086	6-60	6 301	12,588	5.08	640	45	9,685	5.16	500	1-69	36	560	.00	28	38
43-97-9038	2393152	583086	10-60	7 266	12,098	5.26	636	40	9,727	5.15	501	4-69	8	481	.03	27	35
43-97-9038	2419328	583086	5-61	7 301	13,600	4.79	651	33	8,971	5.18	465	11-69	36	808	-.07	34	49
43-97-9038	2431295	583086	5-61	6 299	11,925	4.79	571	39	9,231	5.16	476	4-69	36	522	-.05	21	31
43-97-9038	2444966	583086	10-61	6 301	12,101	5.12	620	39	8,765	5.21	457	7-69	36	611	.00	31	42
43-97-9038	2584127	597583	9-64	2 305	14,370	4.85	697	45	9,450	5.21	492	12-68	29	595	-.04	26	37
46-23-0028	2476746	567370	11-61	4 297	11,633	5.19	604	21	7,505	5.17	388	11-69	44	675	-.01	33	45
46-23-0028	2584838	599370	9-64	3 302	11,543	5.41	624	21	7,723	5.14	397	7-69	29	528	.06	32	40
46-23-0028	2710651	600925	12-66	1 305	10,870	5.42	589	15	7,460	5.11	381	2-69	23	345	.05	22	27
47-34-9018	2346251	567481	11-59	8 296	11,825	5.13	607	17	8,850	5.15	456	2-70	38	484	.02	26	34
47-34-9018	2510749	592579	12-62	6 302	11,647	4.80	559	17	8,737	5.13	448	11-69	35	456	-.05	18	27
47-34-9018	2682105	557569	12-66	1 305	11,250	4.47	503	18	8,680	5.09	442	2-69	31	581	-.12	18	30
47-34-9018	2721213	557569	12-66	1 305	10,810	4.90	530	18	8,700	5.05	439	11-68	31	544	-.08	20	31
47-34-9018	2729834	599529	10-67	1 305	13,800	5.16	712	15	9,160	5.20	476	3-70	19	444	.01	23	31
47-55-0080	2725521	584664	4-67	1 305	11,460	5.41	620	5	7,840	5.26	412	4-69	35	407	.03	23	30
47-55-9081	2495349	578776	10-62	6 305	12,748	4.46	568	12	8,848	5.02	444	11-69	38	796	-.16	24	41
47-55-9081	2535920	578776	10-63	5 305	10,874	4.85	527	36	9,024	5.02	453	2-70	38	501	-.09	17	27
47-55-9081	2543601	578776	1-64	3 296	13,306	4.38	583	32	9,210	5.06	466	12-69	35	777	-.19	21	38
47-55-9081	2609787	578776	9-65	2 303	10,100	5.06	511	32	8,225	4.74	390	5-69	32	459	-.03	20	29
47-80-0016	2662961	577026	2-66	1 305	13,840	4.67	647	14</									

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COV'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%) MILK (L8)	I N O E X..... FAT (%) (L8)	DOL- LARS
48-44-0126	2541675	578382	9-60	4 305 12,230 4.99 610	11 9,347 5.56 520	3-69	42 698	-.15 21	\$ 36
48-44-0148	2641764	594664	1-66	2 305 13,830 3.88 536	16 8,785 5.22 459	9-69	33 794	-.28 13	31
48-44-0148	2644984	594664	8-65	3 301 11,950 5.15 616	24 10,180 4.82 491	1-70	36 457	-.02 21	29
48-44-0148	2644987	594664	3-65	3 286 15,146 4.20 636	16 10,970 4.90 537	1-70	36 777	-.22 18	35
48-50-0057	2529042	558330	8-63	2 290 12,150 4.95 602	26 8,215 5.00 411	1-69 8	39 404	.00 20	27
48-50-0057	2548316	549122	9-63	2 291 12,255 5.36 657	26 8,390 4.98 418	1-69 8	40 332	.08 24	29
48-50-9033	2458389	587043	12-61	6 303 14,380 4.76 685	12 9,968 5.11 509	12-69	34 736	-.05 32	46
48-50-9033	2707847	578382	11-64	2 305 10,915 4.56 498	12 8,515 4.76 405	5-69	38 592	-.12 18	30
48-86-9027	2643630	596262	1-66	2 305 13,940 5.04 702	5 11,135 4.92 548	2-69	30 447	.04 26	33
48-86-9027	2735792	596262	8-67	1 305 13,030 6.10 795	13 10,410 5.14 535	1-70	24 340	.15 31	35
48-86-9027	2735794	596262	8-67	1 305 12,510 5.91 739	20 10,050 5.34 537	11-69	24 322	.11 26	30
48-91-0078	2727530	602482	10-67	1 305 13,210 6.87 908	14 7,340 5.52 405	8-69	26 589	.22 50	57
48-96-0040	2578087	563813	12-64	3 299 10,740 5.02 539	9 8,130 5.36 436	8-69	42 398	.00 20	27
48-96-0043	2641944	575184	9-65	3 305 11,423 5.24 598	35 7,857 5.12 402	11-69	42 484	-.01 23	32
48-96-0043	2685057	602843	9-66	2 305 12,260 4.64 569	33 8,145 5.03 410	10-69	28 544	-.08 20	31
48-96-0043	2709844	602843	3-67	2 305 12,680 4.27 542	22 8,300 4.95 411	2-70	28 578	-.13 17	29
50-10-0099	2668925	563805	12-64	3 305 11,913 4.73 563	21 7,520 5.19 390	10-69	41 766	-.03 35	49
50-10-0099	2743457	571291	10-64	2 305 10,050 5.25 528	23 7,440 5.05 376	7-69	40 373	.06 24	30
50-20-0028	2446397	584458	4-61	7 298 12,076 4.74 572	17 8,930 4.92 439	4-70	43 681	-.08 26	39
51-03-9068	2596795	567370	11-61	3 298 10,523 5.42 570	12 7,837 5.46 428	10-68	42 484	.00 24	32
51-03-9068	2638796	563813	7-65	3 302 11,940 5.39 644	16 8,527 5.39 460	3-70	42 497	.05 30	38
51-05-0010	2733651	583333	2-67	2 302 11,875 5.01 595	11 8,510 5.31 452	1-70	37 568	-.09 20	31
51-05-0021	2166121	553768	9-55	3 305 11,060 5.60 619	11 8,597 5.29 455	12-68	32 356	.11 28	32
51-05-0021	2168785	553768	11-55	3 303 11,240 5.43 610	11 8,693 5.26 457	1-69	32 368	.08 26	31
51-07-0397	2519909	563278	1-63	5 298 12,084 5.49 664	7 9,856 5.36 528	12-69	43 336	.06 22	27
51-07-9172	2578381	563278	9-64	3 303 11,723 5.23 613	22 8,543 5.28 451	11-69	41 400	.02 22	29
51-07-9199	2688257	557569	12-66	2 305 11,990 4.28 513	8 9,380 5.36 503	2-70	36 638	-.20 13	27
51-10-9131	2408001	577221	9-60	7 292 11,264 4.92 554	13 8,538 5.20 444	3-69	36 440	-.01 21	29
51-13-0200	2587226	563805	1-65	1 305 10,860 4.87 529	16 8,690 5.10 443	7-69	34 455	.00 23	31
51-13-0200	2746567	583958	12-67	1 303 11,530 5.70 657	8 9,830 5.58 549	1-70	34 503	.00 25	34
51-13-0200	2758469	563805	4-67	1 305 11,070 5.41 599	7 9,490 5.52 524	12-69	34 416	.02 23	30
51-17-0004	2637558	583333	11-65	2 298 11,775 4.94 582	30 8,135 5.52 449	8-69	37 593	-.11 19	31
51-17-0144	2752316	602754	1-68	1 305 13,740 4.76 654	14 8,910 5.41 482	12-69	28 696	-.05 30	43
51-17-0163	2642701	583333	7-65	2 305 11,520 4.94 569	12 8,235 4.93 406	3-69	37 556	-.06 22	33
51-17-0163	2645287	583333	12-65	2 305 11,120 5.54 616	17 8,230 5.04 415	9-69	37 514	.00 26	35
51-17-0212	2704239	593210	1-67	2 291 12,710 5.33 677	10 9,045 5.05 457	2-70	33 561	.03 31	40
52-07-0034	2348490	573552	12-58	3 305 12,820 5.29 678	31 9,893 5.21 515	1-70	38 335	.06 22	27
52-07-0034	2481053	573552	2-62	6 301 11,865 5.37 637	31 9,091 5.30 482	3-70	35 516	.02 28	37
52-07-0034	2582953	595252	8-64	4 305 12,277 5.11 627	33 9,577 5.30 508	1-70	41 459	-.05 18	27
52-07-0034	2615964	585333	10-62	4 305 12,075 4.65 562	31 9,047 5.29 479	7-69	33 536	-.10 17	28
52-07-0034	2615975	534755	3-63	5 304 10,396 5.48 570	35 9,010 5.22 470	6-69	42 407	.02 22	29
52-07-0034	2735005	584458	5-67	1 305 16,010 4.62 739	21 10,640 5.33 567	3-70	35 730	-.13 24	39
52-07-0034	2799488	584884	8-62	1 305 17,700 5.21 922	40 10,260 5.27 541	11-69	23 756	.04 42	54
52-07-0044	2718092	602658	2-67	2 305 10,670 5.44 580	19 9,535 5.22 498	4-70	32 634	-.05 27	39
52-15-0008	2547431	595252	11-63	5 302 12,612 4.64 585	23 9,340 5.19 485	1-70	42 549	-.12 16	28
52-15-0008	2564339	572137	3-64	4 305 12,168 5.50 669	24 9,503 5.11 486	1-70	41 373	.17 34	38
52-33-0019	2324879	563278	12-58	5 305 12,414 4.53 562	30 8,728 5.22 456	10-69	43 515	-.09 17	27
52-33-0019	2435842	589136	6-61	4 305 11,340 5.27 598	28 8,775 5.14 451	12-68	40 538	.02 29	38
52-33-0019	2533661	592556	8-63	3 305 11,493 5.12 588	53 9,296 5.14 478	10-69	33 416	-.01 20	27
52-68-0004	2356309	534755	8-59	9 299 10,482 5.00 524	33 8,711 5.22 455	1-70	42 454	-.05 18	27
52-68-0004	2401664	534755	7-60	4 292 11,718 4.86 569	43 8,870 5.23 464	10-69	41 588	-.08 22	34
52-68-0004	2534107	534755	10-61	4 299 11,603 5.31 616	45 8,605 5.21 448	10-69	41 603	.00 30	41
52-68-0004	2534141	534755	11-62	5 305 11,322 4.47 506	33 8,832 5.22 461	3-69	42 552	-.13 15	27
52-68-0020	2299981	534755	12-58	8 304 12,898 4.94 637	51 10,298 5.23 539	4-69 8	42 587	-.07 23	34
52-68-0020	2352067	576128	7-59	6 300 11,608 5.40 627	57 10,045 5.24 526	10-68	36 355	.04 21	27
52-68-0020	2388773	576128	3-60	8 303 13,363 4.89 653	41 10,321 5.26 543	10-69	36 580	-.06 23	34
52-68-0020	2406092	571676	12-60	7 305 14,014 4.82 675	46 10,802 5.24 566	2-70	37 476	-.06 18	27
52-68-0020	2459359	534755	12-61	6 305 15,495 4.82 747	42 11,175 5.15 575	4-70	42 829	-.09 33	49
52-68-0020	2487388	576128	1-62	4 305 12,513 5.44 681	42 9,965 5.29 527	9-69	35 487	.04 28	36
52-68-0020	2508575	567370	9-62	4 305 13,653 4.70 642	62 10,780 5.19 560	6-69	44 561	-.10 19	30
52-68-6007	2579058	577134	11-63	4 305 12,072 4.92 594	20 8,505 5.09 433	6-69	41 499	-.07 18	28
52-68-6007	2592932	591297	10-64	3 305 11,560 5.01 579	15 8,060 4.91 396	2-70	41 522	.05 31	39
52-75-0027	2492092	577221	5-62	6 305 11,113 5.51 612	14 9,168 5.00 458	7-69	36 334	.12 28	32
52-75-0027	2658908	591297	1-66	3 305 12,087 5.18 626	21 10,210 5.15 526	1-70	41 355	.06 23	28
52-75-0027	2690809	591297	7-66	2 305 13,430 5.01 673	20 9,715 5.24 509	11-69	38 517	.03 29	37
52-75-0027	2690812	595252	7-66	2 305 12,810 4.84 620	20 9,325 5.15 480	9-69	37 482	-.08 17	27
52-75-0027	2710309	591297	12-66	2 305 12,425 5.48 681	19 10,435 5.15 537	2-70	38 345	.11 27	31
52-75-0027	2735422	584458	10-67	1 305 14,620 5.26 769	26 11,470 5.28 606	1-70	35 566	-.05 24	35
52-81-0012	2718080	602658	1-67	1 305 12,680 4.08 517	11 9,340 5.29 494	3-69	26 828	-.21 21	39
52-81-0012	2722184	584458	7-67	1 305 12,220 4.72 577	9 8,890 5.35 476	2-70	35 560	-.11 18	29
52-82-0016	2590758	595252	9-64	2 305 12,370 5.14 636	13 8,210 5.60 460	10-69	37 542	-.07 21	31
52-82-0030	2395346	535236	9-60	6 305 10,493 5.42 569	8 9,080 5.26 478	2-70	42 415	.08 28	34
52-98-0014	2563364	577328	1-64	4 305 11,283 4.98 562	13 8,233 4.92 405	7-69	35 500	.01 26	35
52-98-0014	2662401	597463	12-65	3 296 11,483 4.88 560	6 7,913 4.99 395	3-70	33 576	-.02 27	37
52-98-6038	2598129	597463	12-64	4 290 11,117 4.92 547	13 8,160 5.17 422	11-69	35 524	-.03 23	33
54-13-0008	2335296	534755	8-59	6 304 12,738 5.49 699	10 8,495 5.17 439	7-69	42 782	.04 43	56
54-13-0013	2509845	572137	10-62	4 298 11,635 5.13 597	20 9,323 5.12 477	10-69	41 326	.11 26	30
54-13-0026	2365592	565181	7-59	4 295 12,170 5.30 645	9 8,320 5.59 465	1-70	34 615	.00 31	42
54-13-0026	2594957	565181	1-64	1 305 13,280 4.89 650	21 8,260 5.53 457	7-69	24 521	-.03 23	33
54-17-0014	2545341	583333	11-63	5 305 13,094 4.91 643	11 10,948 5.02 550	3-70	42 517	-.08 18	28
54-17-0014	2616997	583333	11-65	3 299 14,446 4.44 642	18 10,640 5.08 540	12-69	39 687	-.17 18	33
54-17-0036	2669828	583333	5-65	3 301 10,060 5.02 505	15 7,670 5.06 388	11-69	39 480	-.06 18	27
54-19-0045	2245131	502114	11-56	1 305 11,380 4.94 562	7 8,080 4.55 368	1-69	35 448	-.04 19	27
54-46-0001	2642844	603192	7-65	3 305 13,720 5.93 813	22 11,253 5.07 570	1-70	33 347	.19 35	38
54-46-0001	2660303	603192	11-65	1 305 18,040 4.58 826	23 12,390 5.00 619	12-69	24 517	-.05 21	31

TABLE 4. JERSEY US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR O	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS			
54-46-0001	2677690	563805	8-66	1 305	15,830	4.91	778	25	11,280	4.94	557	2-69 H	34	658	.02	35	\$ 46
55-10-6004	2473451	497574	12-61	5 305	10,982	4.65	511	61	8,010	5.02	402	5-69	44	700	-.07	28	41
55-10-6004	2724697	595030	5-67	2 293	13,020	4.88	636	46	10,365	4.89	507	4-70	32	351	.04	21	27
55-10-6004	2726928	603548	4-67	2 304	13,475	4.79	646	37	9,525	5.03	479	3-70	29	550	-.04	24	34
55-10-6009	2531341	497574	5-63	5 289	10,324	4.55	470	126	8,016	4.90	393	6-69	44	614	-.07	24	36
55-10-6009	2537629	497574	7-63	4 305	11,038	4.61	509	160	8,750	4.95	433	12-69	43	612	-.07	24	36
55-10-6009	2544941	497574	9-63	4 292	10,910	4.74	517	178	8,963	5.02	450	12-69	43	572	-.06	23	34
55-10-6009	2578982	598426	7-64	4 297	11,435	4.64	531	144	8,440	4.94	417	6-69	37	558	-.13	16	28
55-10-6009	2610161	598223	5-65	3 305	12,660	4.50	570	171	8,986	5.06	455	11-69	33	558	-.09	19	30
55-10-6009	2698935	584259	8-66	2 305	13,155	4.80	632	157	9,130	5.09	465	11-69	32	466	-.01	22	30
55-10-6009	2716296	603548	12-66	2 305	14,370	4.60	661	212	10,100	4.93	498	2-70	29	595	-.06	24	35
55-10-6009	2724718	584259	6-67	2 290	13,620	4.74	645	156	9,690	4.97	482	4-70	32	462	-.01	22	30
55-16-0001	2409267	553236	9-60	6 302	10,285	4.98	512	31	7,471	4.95	370	11-68	42	583	.04	33	43
55-17-0017	2434250	571366	10-58	6 304	10,845	4.63	502	15	7,655	4.79	367	4-69	35	517	-.05	21	31
55-17-0017	2744335	595550	9-67	1 305	10,570	4.70	497	29	7,720	4.74	366	7-69	34	380	.02	21	27
55-22-0004	2485738	589874	5-62	6 300	14,215	4.41	627	57	10,446	4.85	507	11-69	35	584	-.11	19	31
55-22-0004	2525471	541866	5-63	4 305	13,348	5.54	740	64	10,423	4.95	516	12-69	43	415	.14	34	39
55-22-0004	2691766	598380	6-66	1 305	14,710	5.42	797	54	11,800	4.96	584	1-69	24	313	.12	27	31
55-22-0004	2706493	598380	11-66	2 305	13,755	5.39	742	50	10,800	4.91	530	3-70	30	399	.14	33	38
55-22-0004	2759541	560800	12-67	1 305	14,000	4.55	637	74	10,750	4.95	532	12-69	35	539	-.07	20	31
55-28-0037	2587946	593920	10-64	1 305	11,710	5.24	614	38	8,180	4.89	400	12-68	30	350	.05	22	27
55-29-0043	2393939	566355	6-59	4 295	12,285	4.65	571	123	8,660	5.13	444	10-69	35	535	-.09	18	29
55-29-0043	2397030	497574	7-60	4 305	11,528	4.58	528	47	8,548	4.75	406	3-70	43	696	-.05	30	43
55-29-0043	2505600	534755	9-62	6 299	10,063	4.48	451	54	7,712	4.90	378	8-69	42	519	-.10	17	28
55-29-0043	2713160	571382	6-66	2 305	13,335	4.12	549	72	10,190	4.83	492	1-70	40	817	-.27	15	34
55-35-0004	2439962	546137	6-59	6 297	11,013	5.58	615	124	9,272	5.20	482	12-68	44	470	.12	35	41
55-35-0004	2487962	553904	9-62	5 305	13,250	4.94	655	143	8,852	5.25	465	10-68	41	648	.02	34	45
55-35-0004	2691654	600873	2-66	2 237	12,175	4.95	603	88	9,385	5.05	474	5-69 B	32	534	-.02	25	35
55-35-0004	2691670	600873	4-66	2 211	11,250	5.64	635	83	9,360	4.95	463	7-69 B	32	429	.09	30	36
55-35-0004	2691673	600873	5-66	2 210	11,780	4.65	548	81	9,320	4.94	460	7-69 B	32	495	-.05	20	29
55-35-0004	2691687	600873	5-66	2 212	10,945	5.15	564	88	9,200	4.91	452	7-69 B	32	411	.03	23	30
55-35-0004	2724743	600873	2-67	1 272	14,790	4.62	684	91	9,580	5.15	493	2-69 B	26	679	-.07	27	40
55-35-0046	2580250	560800	10-64	3 229	12,397	4.70	583	9	8,747	5.30	464	7-69 B	42	678	-.10	24	38
55-44-0037	2734045	578382	11-66	1 305	11,190	5.67	635	12	9,250	5.54	512	12-68	34	521	-.08	19	29
55-48-0042	2108209	551472	10-55	9 300	13,391	4.62	619	14	9,396	5.13	482	10-69	36	645	-.09	24	37
55-48-0042	2493373	593839	10-60	7 303	11,837	5.74	679	20	10,431	4.89	510	7-69	36	313	.16	30	33
55-59-0019	2582909	563813	2-65	2 305	12,245	4.84	593	12	9,715	4.91	477	4-69	40	373	.03	21	27
55-61-0010	2503903	534755	1-63	3 305	13,670	4.83	660	43	8,543	5.09	435	1-69	40	837	-.06	36	52
55-61-0010	2563873	594897	10-63	5 301	15,284	3.85	588	41	8,376	5.12	429	12-69	38	1,053	-.30	23	46
55-61-0010	2705682	584458	11-66	1 290	12,100	4.55	550	55	7,520	5.17	389	9-69	35	645	-.11	22	35
55-61-0010	2735435	584458	8-67	1 289	10,900	4.79	522	41	8,210	5.14	422	11-69	35	506	-.09	17	27
55-61-0010	2735447	584458	9-67	1 305	10,820	4.92	532	53	7,760	5.13	398	10-69	35	531	-.07	20	30
55-61-0012	2585972	563805	11-64	3 301	10,613	4.60	488	27	8,343	5.11	426	11-68	41	524	-.05	22	32
55-70-0005	2585500	560800	11-64	3 243	11,763	4.90	576	15	9,627	4.97	478	9-69 B	42	512	-.04	22	32
55-83-0021	2614894	564125	10-64	3 296	11,677	4.85	566	14	8,280	4.98	412	1-70	42	457	-.02	21	29
55-83-0021	2665605	589634	1-66	2 305	10,750	4.97	534	14	7,425	4.94	367	8-69	30	514	-.04	22	32
55-83-6035	2455676	562259	10-61	2 305	10,700	5.80	621	38	8,225	5.02	413	3-69	38	433	.13	34	39
55-83-6035	2505920	583109	9-62	4 295	10,287	4.82	496	20	8,010	4.87	390	3-70	35	380	.03	22	28
55-83-6035	2546517	497574	11-63	4 303	10,390	4.77	496	39	8,358	4.99	417	1-70	43	575	-.05	24	35
55-91-6004	2574520	597180	10-64	3 305	11,336	5.32	603	10	9,103	5.03	458	1-69	33	414	.06	26	32
55-91-6004	2665774	571382	8-66	2 305	11,990	4.21	505	11	9,270	4.90	454	8-69	40	764	-.25	14	31
55-98-0031	2527397	560800	10-63	5 305	10,568	5.30	560	13	8,850	5.07	449	12-69	44	468	.01	24	32
56-16-0018	2638451	601501	7-65	2 297	13,510	4.84	654	10	8,100	4.98	403	5-69	25	675	-.03	31	43
56-16-0018	2688310	564125	6-66	1 284	13,580	4.45	604	30	7,890	5.27	416	9-69	35	498	-.07	18	28
56-31-0004	2102800	457456	3-55	11 299	11,229	4.89	549	24	8,798	4.98	438	4-69	41	456	.00	23	31
56-31-0004	2691652	600873	1-66	2 305	13,260	5.06	671	79	9,560	4.98	476	10-69	32	641	.01	33	44
56-31-0004	2693235	559265	8-66	2 305	11,960	4.78	572	60	9,240	4.86	449	10-69	32	556	-.04	24	34
56-31-0008	2373440	578767	4-60	3 303	15,163	4.63	702	8	9,837	5.07	499	1-70	31	800	-.10	30	46
56-36-0001	2460330	580137	12-61	6 299	12,121	5.25	636	17	9,131	5.33	487	4-69	36	473	.02	26	34
56-36-0003	2453109	561487	7-61	4 297	11,060	5.31	587	22	8,135	4.83	393	1-70	42	367	.07	25	30
56-36-0003	2636914	579695	7-64	3 293	11,556	4.88	564	11	8,043	4.84	389	3-69	33	524	.00	26	35
56-36-0023	2207821	508078	5-56	6 305	14,108	5.49	774	120	10,943	5.17	566	9-69	43	590	.11	40	49
56-36-0023	2211989	508078	10-56	7 303	12,181	5.30	646	106	10,963	5.16	566	2-69	43	332	.07	23	28
56-36-0023	2211993	546169	11-56	8 305	12,834	5.25	674	97	10,493	5.13	538	10-68	36	353	.05	22	27
56-36-0023	2211994	567445	11-56	8 305	13,261	5.23	694	96	10,581	5.15	545	12-68	36	514	.02	28	37
56-36-0023	2364360	571160	9-59	3 305	17,073	4.69	801	122	11,167	5.21	582	8-69	35	738	-.09	28	42
56-36-0023	2364365	508078	9-59	7 293	11,986	5.32	638	101	10,620	5.14	546	1-69	43	347	.07	24	29
56-36-0023	2380278	578330	12-59	3 305	15,760	5.37	847	131	11,053	5.19	574	7-69	39	535	.08	34	42
56-36-0023	2505554	508078	9-62	3 305	13,780	5.15	710	87	11,640	5.16	601	2-69	41	433	.05	26	33
56-36-0023	2505557	508078	9-62	5 305	12,270	5.38	660	105	10,508	5.14	540	6-69	43	398	.09	28	34
56-36-0023	2517432	508078	11-62	4 305	14,463	5.3											

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST CALVD MO-YR	T C D	.....C O W REPT (%) MILK (L8)	I N O E X..... FAT (%) FAT (L8) DOL- LARS
56-36-0028	2521970	597492	12-62	6 300 11,538 5.16 595	84 9,305 5.24 488	9-69	36	462	-.01 22 \$ 30
56-36-0028	2521987	497574	8-63	3 305 10,977 5.17 568	81 9,670 5.23 506	10-68	42	498	-.02 23 32
56-36-0028	2525022	578146	8-63	5 251 12,392 4.85 601	63 9,812 5.24 514	12-69	8 37	507	-.07 19 29
56-36-0028	2567226	578146	1-64	5 298 11,606 5.26 611	67 9,356 5.26 492	9-69	37	453	.00 23 31
56-36-0028	2571227	578146	2-64	5 291 11,698 4.98 582	62 9,400 5.26 494	7-69	37	460	-.04 19 28
56-36-0028	2569549	497574	10-63	5 305 12,698 5.03 639	54 10,538 5.18 546	1-70	44	627	-.04 28 40
56-36-0028	2573179	578146	9-64	4 299 12,125 5.06 613	66 9,567 5.30 507	10-69	36	488	-.03 22 31
56-36-0028	2613826	497574	11-63	4 303 12,650 5.02 635	71 9,938 5.21 518	2-69	43	679	-.04 30 43
56-36-0028	2690821	603631	9-66	2 302 14,970 5.24 784	66 10,435 5.28 551	11-69	29	651	.01 34 45
56-36-0028	2719307	603631	3-67	2 300 13,040 5.23 682	57 10,710 5.28 565	12-69	29	387	.01 20 27
56-36-0030	2448674	591566	8-61	6 302 13,576 5.14 698	73 10,618 5.42 576	3-69	37	523	-.03 23 33
56-36-0038	2451812	580332	11-61	6 303 13,488 4.97 671	54 10,521 5.19 546	6-69	36	467	-.03 21 30
56-36-0038	2530452	549126	2-63	4 305 16,470 5.17 851	70 10,590 5.22 553	8-69	42	848	.04 46 60
56-36-0038	2548949	592718	10-63	4 305 15,157 4.60 697	109 9,987 5.31 530	9-69	35	714	-.11 25 39
56-36-0038	2559001	593148	11-63	5 305 17,934 5.16 926	43 11,090 5.21 578	2-70	36	1,168	.01 59 79
56-36-0038	2583267	593148	7-64	3 305 12,820 5.21 668	93 10,366 5.28 547	11-69	33	470	-.01 23 31
56-36-0038	2631492	593148	9-62	3 305 13,810 4.99 689	56 10,376 5.23 543	6-69	33	601	-.04 26 37
56-36-0038	2631493	593148	1-63	4 304 13,057 5.18 677	44 11,115 5.24 582	1-70	35	431	-.01 21 29
56-36-0038	2631494	497574	2-63	3 305 11,827 5.30 627	119 10,220 5.25 537	8-69	42	539	.00 27 36
56-36-0038	2666535	594192	12-65	2 305 15,535 5.04 783	98 10,660 5.28 563	12-69	30	657	-.04 29 41
56-36-0038	2692589	593148	8-66	2 305 13,480 5.01 676	123 10,220 5.28 540	10-69	30	528	-.04 23 33
56-36-0038	2692594	593148	8-66	2 305 13,925 4.90 682	123 10,220 5.28 540	10-69	30	581	-.05 24 35
56-36-0040	2373743	497574	1-60	7 304 14,120 4.87 687	55 11,114 5.34 593	3-70	44	745	-.10 28 43
56-36-0040	2395631	57961	8-60	7 303 14,565 5.07 739	63 10,868 5.33 579	7-69	36	590	-.03 27 38
56-36-0040	2446929	573640	8-61	3 305 14,880 4.92 732	59 10,987 5.20 571	4-69	34	528	.01 27 36
56-36-0040	2531088	592439	8-63	3 305 14,713 4.93 726	96 10,320 5.30 547	7-69	33	667	-.09 25 38
56-36-0040	2573689	592718	6-64	4 305 12,660 5.81 735	91 10,185 5.41 551	11-69	35	332	.12 28 32
56-38-0056	2365863	497574	3-60	3 305 12,130 4.63 562	85 9,503 4.89 465	6-69	8 42	650	-.06 27 39
56-38-0056	2414840	583874	12-60	6 296 13,275 4.63 614	85 8,345 4.89 408	8-69	36	918	-.07 39 56
56-38-0056	2436967	583874	2-61	4 298 12,847 4.97 639	77 9,367 4.88 457	1-69	35	703	.00 35 47
56-38-0056	2456801	583874	11-61	4 305 11,925 4.61 550	67 8,890 4.87 433	6-69	35	633	-.06 26 38
56-38-0056	2456803	583874	11-61	5 305 10,188 4.93 502	60 8,836 4.78 422	8-69	36	394	.00 20 27
56-38-0056	2481516	591947	2-62	5 300 11,826 4.70 556	60 8,532 5.04 430	2-70	36	537	-.07 20 31
56-38-0056	2484908	583874	6-62	4 264 10,742 5.01 538	98 8,622 4.95 427	10-68	35	499	.00 25 34
56-38-0056	2523173	592538	12-62	2 305 14,535 5.03 731	117 8,660 4.85 420	6-69	30	936	.00 47 63
56-38-0056	2523175	592538	5-63	3 302 11,193 4.53 507	34 8,386 4.95 415	12-68	33	605	-.09 22 34
56-38-0056	2530848	572331	10-63	4 239 11,182 5.20 581	80 9,532 4.98 475	6-69	39	670	-.05 29 41
56-38-0056	2538386	592538	8-63	3 299 10,796 5.37 580	70 9,626 4.91 473	5-69	33	404	.05 25 31
56-38-0056	2558118	575184	9-62	4 303 12,188 4.61 562	103 8,535 4.86 415	7-69	44	531	-.08 19 30
56-38-0056	2561906	592538	1-64	3 302 13,540 4.39 595	82 9,333 4.89 456	12-69	33	804	-.12 29 45
56-38-0056	2585127	589634	11-64	3 302 12,626 4.81 607	89 9,466 4.94 468	3-69	8 33	563	-.07 22 33
56-38-0056	2592365	597564	1-65	2 305 12,705 4.68 595	87 9,265 4.91 455	5-69	30	530	-.06 21 31
56-38-0056	2596264	587689	1-65	4 289 13,707 4.57 626	87 9,702 4.95 480	12-69	35	560	-.10 19 30
56-38-0056	2608968	525627	10-64	2 305 11,875 4.08 485	63 8,590 4.91 422	6-69	38	607	-.18 13 27
56-38-0056	2618463	591297	9-65	3 294 11,457 4.72 541	138 8,887 4.94 439	11-69	41	421	.01 22 29
56-38-0056	2651869	593756	10-63	1 305 14,770 5.11 755	84 9,910 4.85 481	3-69	23	443	.03 25 32
56-38-0056	2677683	563805	7-66	2 259 13,395 4.70 630	107 9,300 4.99 464	10-69	38	703	-.02 33 46
56-38-0056	2691035	576127	9-66	1 305 13,090 5.00 655	82 9,960 4.85 483	3-69	34	347	.06 23 28
56-38-0056	2691039	560800	9-66	2 305 13,570 4.65 631	130 9,430 4.88 460	1-70	40	690	-.07 28 41
56-38-0056	2702073	560800	9-66	1 305 15,060 4.67 703	97 9,800 4.79 469	4-69	35	684	-.05 29 42
56-38-0056	2721279	497574	7-67	1 305 11,640 4.58 533	153 9,260 4.72 437	11-69	35	553	-.04 24 34
56-38-0056	2721280	497574	7-67	1 305 11,790 5.15 607	153 9,260 4.72 437	11-69	35	564	.02 30 40
56-38-0056	2721284	584458	8-67	1 305 14,660 4.30 630	151 9,230 4.73 437	11-69	35	724	-.12 25 40
56-38-0056	2721285	497574	8-67	1 305 11,180 5.00 559	145 9,500 4.72 448	12-69	35	502	.00 25 34
56-38-0056	2743963	584458	9-67	1 305 11,780 4.79 564	151 9,230 4.73 437	11-69	35	503	-.07 19 29
56-39-0021	2701914	562315	12-66	2 305 13,435 4.81 646	6 8,830 5.14 454	1-70	40	529	-.05 22 32
56-41-0036	2389436	497574	3-60	7 301 11,206 4.60 515	18 8,901 5.21 464	5-69	44	625	-.11 21 34
56-41-0036	2458890	577042	11-61	6 305 11,333 5.26 596	16 8,725 5.28 461	7-69	43	450	.01 23 31
56-41-0036	2504615	577042	7-62	5 305 10,594 5.45 577	13 8,638 5.22 451	4-69	43	363	.04 22 28
56-42-0012	2411095	574246	9-60	5 302 13,450 4.74 638	62 10,608 4.53 481	2-70	41	590	-.01 29 39
56-42-0012	2465643	580602	1-62	6 304 12,210 5.00 610	54 9,895 4.67 462	7-69	40	520	.01 27 36
56-42-0012	2494656	591179	1-63	5 305 12,844 4.16 534	55 9,584 4.70 450	7-69	35	658	-.17 17 31
56-42-0012	2494665	591179	8-62	5 300 12,510 4.28 535	67 9,680 4.73 458	10-69	35	595	-.15 16 29
56-42-0012	2494667	539252	8-62	4 305 15,175 4.07 617	56 10,685 4.58 489	1-70	35	710	-.15 21 36
56-42-0012	2495925	591179	12-62	5 305 14,962 4.12 616	57 9,760 4.63 452	2-69	35	954	-.19 29 49
56-42-0012	2531749	591179	2-63	5 302 12,906 4.63 597	39 10,160 4.54 461	4-70	35	589	-.05 25 36
56-42-0012	2531770	539252	10-63	3 305 12,663 4.82 610	52 10,000 4.61 461	8-69	33	413	.01 22 29
56-42-0012	2577462	580602	7-64	3 305 13,670 4.35 594	62 9,930 4.66 463	12-69	37	672	-.12 22 36
56-42-0012	2577464	591179	8-64	3 305 12,453 4.52 563	50 9,023 4.64 419	11-68	32	626	-.09 23 35
56-42-0012	2577490	600360	12-64	3 305 14,877 4.53 674	63 10,280 4.68 481	8-69	29	676	-.06 28 41
56-42-0012	2585794	563805	8-64	3 305 12,883 5.11 658	114 10,547 5.00 527	11-69	41	558	.04 32 41
56-42-0012	2608050	591179	8-65	3 305 18,273 3.68 673	47 11,590 4.54 526	3-70	32	1,100	-.30 25 49
56-42-0012	2614136	552298	6-63	4 305 12,657 4.42 560	60 10,067 4.60 463	7-69	35	501	-.04 21 30
56-42-0012	2614930	552298	10-65	3 300 14,326 4.42 633	53 11,786 4.52 533	1-70	34	494	-.03 22 31
56-42-0012	2614942	552298	11-65	3 305 13,333 4.37 583	63 11,050 4.61 509	12-69	34	450	-.05 18 27
56-42-0012	2677688	563805	7-66	2 262 15,350 4.53 695	62 11,265 4.91 553	12-69	38	723	-.04 32 45
56-43-0003	2286988	502114	8-58	10 300 12,598 4.95 624	36 10,266 5.10 524	12-69	43	501	-.08 18 28
56-43-0003	2323325	526919	1-59	5 289 10,728 5.29 568	35 9,444 4.97 469	5-69	43	329	.09 25 29
56-43-0003	2411207	526919	2-61	3 305 13,050 5.29 690	45 9,507 5.04 479	2-69	41	580	.08 37 46
56-43-0003	2445962	502114	10-61	4 254 15,948 4.68 747	42 10,388 5.01 520	2-69	8 42	898	-.11 34 52
56-43-0003	2513798	563278	5-60	4 304 11,978 5.10 611	46 9,323 5.01 467	6-69	42	369	.03 21 27
56-43-0003	2528263	497574	7-63	3 300 12,680 4.76 603	49 9,257 5.03 466	10-68	42	740	-.05 32 46
56-43-0003	2553657	546137	12-63	4 297 13,605 4.89 651	40 10,273 4.94 507	5-69	43	636	.04 36 46
56-43-0003	2563459	497574	3-64	4 300 11,858 5.03 596	53 9,555 5.02 480	12-69	43	624	-.01 30 41
56-43-0003	2563461	497574	6-64	3 305 13,647 4.73 645	42 10,533 4.89 515	5-69	42	719	-.05 31 44

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... OOL- LARS
56-43-0003	2598200	598750	3-65	3 259	11,920	4.58	546	53	9,476	4.76	451	8-69	33	512	-.06	20	\$ 30
56-43-0003	2684004	596407	4-66	2 292	13,840	4.90	678	51	10,085	4.96	500	1-70	38	504	-.01	24	33
56-43-0003	2691495	601032	10-64	2 305	13,630	4.92	671	74	9,150	5.02	459	9-69	25	571	-.02	27	37
56-43-0008	2526201	593088	12-62	5 305	12,090	4.76	575	5	9,296	5.07	471	1-70	36	520	-.07	19	29
56-43-0012	2557838	567370	9-63	3 305	12,383	4.60	569	11	9,287	4.94	459	4-70	42	547	-.07	21	32
56-43-0012	2583743	589487	10-63	2 305	12,710	5.01	637	27	9,170	5.03	461	6-69	30	407	.01	21	28
56-43-0012	2585773	580836	10-64	1 305	12,640	5.02	634	57	8,490	5.29	449	11-68	35	395	.01	21	28
56-43-0012	2640371	576094	3-63	1 305	13,230	5.09	674	42	9,620	4.96	477	3-69	25	352	.05	22	27
56-43-0012	2665285	546137	2-66	2 305	10,280	4.99	513	74	9,175	5.07	465	11-69	40	371	.05	23	29
56-43-0012	2745751	598827	10-66	1 305	13,460	5.25	706	90	9,010	4.83	435	9-69	23	447	.05	27	34
56-43-0015	2638400	602117	11-65	2 305	12,360	4.60	569	22	8,375	5.01	420	11-69	30	648	-.08	25	38
56-43-0015	2638404	602117	8-65	2 278	13,515	4.45	602	26	9,045	4.94	447	11-68	30	714	-.10	26	40
56-43-0015	2638411	602117	4-65	3 305	11,063	5.12	566	27	8,683	5.03	437	11-69	33	488	-.00	24	33
56-43-0015	2656219	602117	9-65	2 305	12,955	4.79	621	15	9,900	4.91	486	4-69	30	556	-.04	24	34
56-43-0015	2665427	602117	2-66	2 305	12,445	4.27	531	21	9,355	4.98	466	11-69	30	553	-.13	15	27
56-46-0040	2394386	554201	7-60	1 305	10,650	4.86	518	13	6,930	5.12	355	3-70	26	529	-.03	24	34
57-10-0009	2386701	578146	6-60	8 291	11,417	4.62	527	6	8,913	5.05	450	5-69	37	483	-.08	17	27
57-16-0002	2613950	564125	6-65	3 302	11,880	5.71	678	40	9,307	5.66	527	9-69	42	373	.04	22	28
57-16-0004	2646833	541866	10-61	3 305	12,573	5.50	691	37	9,630	5.14	495	12-69	42	384	.10	28	33
57-16-0004	2646842	541866	8-62	4 303	12,515	5.49	687	52	9,145	5.05	462	8-69	43	454	.11	33	39
57-16-0004	2646860	541866	9-60	3 303	12,527	4.85	607	47	8,913	5.15	459	11-68	42	453	-.01	22	30
57-16-0004	2745810	608795	6-67	1 305	16,230	4.76	772	19	10,810	4.76	515	3-69	19	534	-.02	25	35
57-16-0004	2745819	560800	8-66	2 286	11,435	5.20	595	54	9,500	5.06	481	9-69	40	466	.00	23	31
57-16-0009	2686878	598750	5-66	2 301	11,275	4.43	499	6	8,165	5.16	421	2-70	30	544	-.12	16	27
57-21-0501	2274244	563805	1-58	4 300	12,173	5.25	639	54	8,010	5.33	427	7-69	42	773	.03	42	55
57-21-0501	2274260	563805	3-58	4 305	10,585	5.26	557	62	8,598	5.35	460	10-69	42	504	.03	28	36
57-21-0501	2470995	534585	11-61	6 303	11,460	5.47	627	48	8,277	5.36	444	7-69	44	372	.05	23	29
57-21-0501	2489706	525627	6-62	5 305	10,752	5.19	558	46	8,856	5.37	476	9-69	43	500	-.08	18	28
57-21-0501	2509385	563805	12-62	2 296	10,695	5.09	544	59	9,275	5.27	489	1-69	38	424	.01	22	29
57-21-0501	2531959	525627	11-61	4 305	13,100	5.26	689	53	8,645	5.54	479	10-68	42	815	-.08	33	49
57-21-0501	2538978	564125	7-63	5 303	11,554	5.63	651	69	8,874	5.44	483	1-70	44	416	.06	26	32
57-21-0501	2573618	563805	11-64	3 305	12,133	5.13	623	52	9,417	4.99	470	7-69	41	589	.05	34	44
57-21-0501	2585738	525627	8-64	4 300	11,360	5.10	579	50	9,123	5.33	486	2-70	42	539	-.08	19	30
57-21-0501	2585740	525627	9-64	4 299	11,720	5.24	612	64	8,128	5.45	443	9-69	42	692	-.07	28	41
57-21-0501	2681441	525627	12-65	3 305	11,673	5.05	592	57	9,023	5.33	481	1-70	41	579	-.10	20	32
57-21-0509	2322149	569970	9-58	5 305	12,466	5.07	632	25	8,740	5.47	478	2-69	36	548	-.05	23	33
57-21-0513	2517089	571291	2-63	1 305	13,010	5.09	662	79	8,610	5.35	461	11-69	35	460	.03	26	34
57-21-0513	2547046	567370	1-64	1 305	11,600	5.59	648	82	8,410	5.36	451	10-69	36	440	.01	23	31
57-21-0513	2748366	608397	1-67	1 305	12,400	5.52	685	69	8,560	5.34	457	11-69	22	384	.06	25	31
57-31-0502	2292433	508078	11-58	6 301	11,235	5.57	626	62	8,007	5.42	434	11-68	43	560	.08	36	44
57-31-0502	2325902	508078	4-59	7 297	10,779	5.71	616	42	9,657	5.42	523	1-69	43	302	.10	24	28
57-31-0502	2527241	497574	7-63	3 305	10,020	5.29	530	58	8,450	5.48	463	8-69	42	514	-.03	23	32
57-31-0502	2527251	497574	8-63	3 304	11,333	5.30	601	64	8,913	5.41	482	1-69	42	619	-.01	30	41
57-31-0502	2561457	497574	9-63	5 300	10,314	5.32	549	42	8,704	5.40	470	4-70	44	531	-.02	25	35
57-31-0502	2574439	564125	5-64	4 305	12,625	5.13	648	75	8,550	5.40	462	1-70	43	570	-.02	27	37
57-31-0502	2624330	576127	8-65	2 301	11,215	6.01	674	38	9,075	5.38	488	6-69	38	317	.14	29	32
57-31-0502	2624331	576127	8-65	3 294	11,543	5.41	624	73	8,543	5.42	463	11-69	41	440	.06	28	35
57-31-0502	2683856	576127	11-65	3 291	12,780	5.03	643	53	9,197	5.34	491	2-70	41	517	.01	27	36
57-31-0502	2683869	576127	2-66	2 300	12,730	4.94	629	44	9,640	5.33	514	1-69	38	422	.00	21	28
57-31-0502	2715420	560800	10-66	1 305	10,800	5.94	641	73	8,600	5.36	461	11-68	35	444	.03	25	32
57-31-0502	2715423	560800	10-66	2 305	10,710	5.76	617	46	9,305	5.32	495	3-70	40	410	.04	24	31
57-31-0502	2715434	576127	2-67	2 305	11,870	5.39	640	54	8,615	5.39	464	1-70	38	429	.06	27	34
57-31-0502	2734510	560800	8-67	1 305	11,490	5.54	637	79	8,730	5.51	481	9-69	35	487	-.01	23	32
57-31-0502	2736059	603463	10-67	1 305	12,690	5.08	645	83	8,770	5.51	483	9-69	24	446	.01	23	31
57-66-0016	2424518	578237	7-60	4 305	10,708	5.33	571	22	8,090	4.99	404	9-69	42	423	.05	26	33
57-66-0016	2543269	567370	7-63	2 298	11,305	5.14	581	31	8,530	5.22	445	10-68	40	471	-.02	22	30
57-80-0001	2679406	571382	8-66	2 301	12,285	4.88	600	39	8,465	5.07	429	9-69	40	868	-.18	26	44
57-81-0001	2560611	546137	4-64	4 296	10,800	5.05	545	38	9,405	5.00	470	7-69	43	421	.06	27	33
57-81-0001	2571223	546137	5-64	3 303	11,417	5.15	588	40	9,963	5.01	499	7-69	42	429	.08	29	35
57-81-0001	2571224	546137	5-64	4 305	10,818	5.20	562	42	9,243	4.99	461	10-69	43	442	.08	30	36
57-81-0001	2571231	546137	7-64	3 305	11,840	5.73	679	36	9,940	5.07	504	2-69	42	480	.16	39	45
57-81-0001	2605365	571382	7-65	3 302	13,166	4.37	575	43	8,960	5.11	458	9-69	42	958	-.26	22	43
57-81-0001	2605372	571382	9-65	3 305	12,270	4.73	580	36	9,393	5.23	491	10-69	42	808	-.22	19	37
57-81-0001	2646639	580836	10-65	3 305	12,593	4.97	626	32	10,057	5.11	514	2-70	41	384	.02	21	27
57-81-0001	2713052	571382	3-67	1 305	10,750	4.62	497	33	9,040	5.11	462	5-69	35	645	-.21	12	27
57-81-0001	2713054	584458	4-67	1 305	11,040	5.61	619	35	9,080	4.99	453	5-69	35	457	.00	23	31
57-81-0001	2741974	571382	7-67	1 305	11,210	4.24	475	47	8,490	5.27	447	10-69	35	717	-.26	11	28
57-81-0001	2742000	571382	11-67	1 305	13,710	4.37	599	35	9,430	5.28	498	12-69	35	842	-.26	17	36
57-87-0006	2561376	590361	9-63	5 301	11,576	4.47	517	17	7,816	4.94	386	12-69	35	614	-.10	21	33
57-87-0006	2561379	590361	11-63	4 296	12,147	4.70	571	8	8,055	4.85	391	3-70	34	642	-.04	28	40
57-87-0006	2600604	590361	12-64	3 305	10,840	4.86	527	10	8,033	4.90							

TABLE 4. JERSEY US04-DHIA HIGH RANKING COWS (CONTINUE0).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	RECS	OAYS	MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C	.....C O W REPT (%)	MILK (LB)	FAT (%)	FAT (LB)	..... DOL- LARS
58-03-9030	2676266	584458	9-66	2	305	11,335	4.68	531	31	8,035	4.77	383	8-69	39		619	-.07	24	\$ 36
58-03-9030	2677644	584458	9-66	2	297	10,250	4.56	467	27	8,160	4.73	386	7-69	39		495	-.08	17	27
58-03-9030	2693871	584458	12-66	1	305	10,560	4.73	499	31	7,760	5.10	396	10-69	35		511	-.09	17	27
58-04-0029	2537688	593100	12-63	5	287	10,698	4.88	522	15	7,918	4.89	387	12-69	34		474	-.02	22	31
58-05-0008	2531190	592702	11-62	5	304	11,340	4.18	474	89	8,326	4.76	396	8-69	35		616	-.16	16	29
58-05-0010	2698139	472114	4-60	2	305	11,935	4.67	557	122	7,685	4.78	367	1-70	40		454	-.01	22	30
58-05-0010	2698161	560800	10-65	2	305	12,745	4.70	599	115	8,350	4.72	394	7-69	40		705	-.04	31	44
58-05-0010	2705031	564125	11-64	1	305	13,160	4.57	602	146	7,380	4.73	349	7-69	35		501	-.03	22	31
58-05-0010	2712178	599661	9-63	2	305	12,480	4.33	541	148	8,140	4.82	392	8-69	29		557	-.08	20	31
58-05-0034	2321876	555791	11-58	3	305	14,223	4.49	638	27	9,807	4.66	457	4-70	34		592	-.07	23	34
58-05-0034	2490737	586299	7-61	5	305	14,276	4.29	613	33	9,636	4.76	459	11-68	35		777	-.13	26	42
58-05-0034	2532717	583400	3-63	3	305	11,806	4.59	542	41	8,753	4.94	432	1-70	34		535	-.08	19	30
58-05-0034	2576134	583400	8-64	3	305	12,503	4.15	519	40	9,096	4.90	446	1-70	34		587	-.16	14	27
58-05-0037	2580284	563813	9-64	4	304	10,840	4.73	513	54	8,285	4.67	387	12-69	43		411	.03	23	30
58-05-0037	2585952	549809	8-64	3	305	11,627	4.76	553	41	8,637	4.86	420	3-69	41		617	-.10	21	33
58-05-0037	2744531	600873	7-67	1	274	13,750	4.02	553	58	9,950	4.56	454	1-70	H 26		560	-.10	19	30
58-05-0037	2744533	600873	6-67	1	305	16,690	3.73	622	68	9,520	4.52	430	12-69	26		848	-.16	27	44
58-05-0037	2755714	608120	2-68	1	305	16,080	4.75	764	35	10,100	4.55	460	3-70	19		580	.00	29	39
58-06-0035	2515984	497574	3-63	5	294	12,162	4.28	520	14	9,070	4.61	418	12-69	44		730	-.10	27	41
58-08-0005	2362644	541009	7-59	7	303	11,670	5.12	597	49	9,553	4.85	463	12-69	36		369	.05	23	29
58-08-0005	2547595	581775	10-60	3	305	14,637	4.75	695	47	10,217	4.84	495	6-69	41		463	-.01	22	30
58-08-0005	2547614	577042	9-61	4	305	12,668	4.83	612	52	10,198	4.85	495	5-69	42		438	-.02	20	28
58-08-0005	2611675	592468	11-63	3	305	13,456	5.34	718	34	10,176	4.83	492	7-69	32		458	.09	31	38
61-06-0002	2387161	561372	7-60	8	288	11,675	4.99	583	30	8,587	4.89	420	10-69	36		563	.00	28	38
61-06-0002	2559582	595550	3-64	4	302	12,542	5.21	654	28	9,755	4.91	479	3-70	42		515	.07	32	40
61-06-0002	2700836	603346	10-66	2	290	13,940	5.15	718	32	10,725	4.98	534	12-69	33		452	.04	26	33
61-06-0004	2242462	525627	10-57	9	304	12,606	4.96	625	29	9,512	5.07	482	11-68	43		668	-.08	26	39
61-06-0004	2464153	567370	9-61	4	305	13,425	4.68	628	33	9,800	5.06	496	4-69	44		642	-.09	24	37
61-06-0004	2502829	525627	12-62	4	303	12,085	5.38	650	46	9,493	5.13	487	1-69	42		589	-.02	28	39
61-06-0004	2502834	525627	2-63	4	301	12,410	5.30	658	57	9,555	5.16	493	12-69	42		623	-.03	28	39
61-06-0004	2548906	595550	1-64	5	304	12,100	4.88	590	44	9,560	5.15	492	11-69	43		494	-.02	23	32
61-06-0004	2578053	595550	10-64	4	303	14,137	5.51	779	49	9,250	5.17	478	10-69	42		775	.10	48	60
61-06-0004	2701054	603346	10-66	1	305	14,990	4.73	709	21	10,600	4.71	499	3-69	28		454	.00	23	31
61-06-0004	2701059	578382	11-66	1	305	16,410	4.09	671	45	10,240	5.04	516	1-69	34		855	-.21	22	40
61-06-0004	2701061	525627	12-66	2	305	13,230	5.06	670	63	9,400	5.13	482	11-69	38		673	-.07	27	40
61-06-0004	2701062	578382	12-66	2	305	12,350	4.34	536	61	9,425	5.15	485	11-69	38		656	-.20	14	29
61-06-0004	2744321	595550	12-67	1	295	13,110	4.68	613	16	10,250	4.98	510	3-70	34		400	.00	20	27
61-06-0004	2751043	595550	11-67	1	305	13,260	5.07	672	55	8,850	5.18	458	11-69	34		509	.03	28	36
61-06-0004	2751045	595550	12-67	1	289	11,760	5.74	675	55	8,850	5.18	458	11-69	34		393	.09	28	33
61-06-0009	2554345	595550	10-63	4	303	13,985	5.23	731	11	9,915	5.08	504	4-70	42		680	.05	39	50
61-06-0009	2639232	578382	10-65	2	302	11,980	5.05	605	12	10,550	4.90	517	5-69	38		512	-.07	19	29
61-06-0009	2735119	595550	12-67	1	305	12,590	5.61	706	15	9,060	4.93	447	1-70	34		443	.10	31	37
61-06-0019	2272566	525627	3-58	7	296	10,949	4.85	531	10	7,887	4.92	388	10-68	43		642	-.08	25	37
61-06-0029	2653258	595550	8-65	2	305	12,145	5.38	654	6	9,415	4.93	464	2-70	38		449	.08	30	37
61-06-0041	2583476	595550	1-65	1	305	13,180	5.10	672	20	8,510	5.10	434	11-69	34		526	.03	29	38
61-09-0023	2431329	587561	3-61	7	303	12,481	5.02	627	12	9,542	4.85	463	10-69	36		397	.06	25	31
61-09-0029	2711312	595550	4-67	1	305	12,250	4.86	595	11	7,480	5.23	391	12-69	34		526	.01	27	36
61-15-0010	2414388	560627	8-60	6	301	11,142	4.94	550	12	8,355	5.00	418	10-69	35		479	.00	24	32
61-18-0031	2715876	595550	2-67	1	56	11,450	4.47	512	30	8,630	4.63	400	6-69	8 34		385	.01	20	27
61-24-0010	2718185	525627	3-67	1	305	11,900	5.13	611	16	8,620	4.93	425	8-69	34		536	-.06	21	31
61-24-0097	2458835	583897	5-61	4	288	12,825	5.44	698	24	9,713	5.10	495	11-69	30		486	.08	32	39
61-25-0005	2605167	525627	10-62	4	284	10,608	5.20	552	22	8,285	4.92	408	2-69	42		540	-.03	24	34
61-25-0005	2681864	595550	3-66	1	305	10,020	5.73	574	35	6,700	5.06	339	9-68	34		408	.09	29	35
61-25-0005	2713068	578382	1-67	2	305	12,490	4.84	605	32	8,720	5.05	440	12-69	38		737	-.11	26	41
61-25-0006	2471001	534585	1-62	6	299	10,438	5.52	576	21	7,250	5.09	369	10-69	44		359	.08	25	30
61-25-0006	2536771	563805	11-63	5	304	11,180	5.00	559	22	8,622	5.02	433	3-70	43		588	.02	31	41
61-25-0006	2549747	594846	1-64	4	305	11,215	4.75	533	21	7,905	4.98	394	10-69	40		475	-.06	18	27
61-25-0006	2568850	596939	9-64	4	304	11,957	4.83	578	21	8,625	5.02	433	2-70	30		503	-.03	22	31
61-28-0020	2701298	595550	3-67	1	305	11,500	5.48	630	10	9,680	4.47	433	6-69	34		316	.11	26	30
61-28-0020	2724895	595550	6-67	1	305	14,870	4.71	701	11	12,160	4.67	568	2-70	34		403	.02	22	29
61-31-0001	2352167	519827	6-59	8	305	12,119	5.07	615	12	9,499	5.02	477	5-69	42		581	-.02	27	37
61-31-0001	2353071	519827	9-59	3	305	13,370	4.78	639	12	9,210	5.05	465	5-69	40		731	-.08	29	43
61-31-0001	2540798	595550	9-63	5	293	12,100	5.12	619	10	10,692	4.84	518	1-70	43		358	.07	24	29
61-31-0001	2690165	578382	9-66	2	305	13,560	4.72	640	17	10,310	5.00	515	12-69	38		700	-.13	23	37
61-31-0057	2696597	578382	10-67	1	300	12,870	4.17	537	17	10,280	4.55	468	8-69	34		579	-.15	15	27
61-33-0015	2531900	571291	5-63	3	305	10,273	5.41	556	17	7,203	5.08	366	12-68	42		456	.09	31	38
61-33-0015	2661863	595550	7-65	2	305	12,850	4.75	611	17	8,355	4.92	411	4-69	38		623	.00	31	42

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE NO.	AVERAGES.. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C REPT D	.....C O W MILK (L8)	I N D FAT (%)	E X FAT (L8)	..... OOL- LARS	
61-99-0003	2607034	578382	8-65	3	298	14,883	4.46	664	22	11,223	4.95	556	12-69	41	795	-.18	22	\$ 39	
61-99-0003	2620825	578382	11-65	3	293	15,976	4.66	744	23	11,466	4.99	572	12-69	41	898	-.15	30	48	
61-99-0003	2684702	601461	7-66	2	305	11,700	5.56	650	28	10,100	5.00	505	10-69	29	356	.11	28	32	
61-99-0003	2748763	595550	2-68	1	305	14,510	5.43	788	25	11,380	5.03	572	1-70	34	430	.08	29	35	
63-01-0010	2491853	497574	2-62	5	304	10,138	4.85	492	14	8,542	4.91	419	4-70	44	527	-.03	24	34	
63-03-0011	2463624	586612	11-61	6	305	12,641	4.75	600	27	9,473	4.90	464	4-69	36	512	-.04	22	32	
63-03-0011	2576346	563813	11-64	3	305	12,260	4.73	580	39	9,893	4.87	482	11-69	42	391	.00	20	27	
63-03-0020	2412399	530104	10-60	5	259	12,446	4.68	582	35	9,312	5.02	467	10-68	37	518	-.05	21	31	
63-03-0021	2139144	524845	9-54	11	298	10,766	4.68	504	14	7,477	4.96	371	10-68	36	450	-.02	21	29	
63-03-0021	2542634	531342	10-63	4	305	12,080	5.50	664	13	9,023	5.03	454	3-70	42	355	.10	27	32	
63-03-0021	2579321	549809	8-64	2	305	12,720	4.76	606	12	9,390	5.18	486	6-69	38	628	-.13	19	32	
63-03-0021	2622581	546137	6-65	2	292	10,630	4.74	504	15	9,300	5.11	475	11-68	40	395	.02	22	29	
63-03-0021	2622582	546137	8-65	3	305	12,133	5.09	617	15	9,583	5.17	495	12-69	42	552	.06	33	42	
63-03-0021	2622584	546137	8-65	3	303	10,633	5.22	555	16	9,610	5.18	498	10-69	42	374	.07	25	30	
63-03-0021	2622585	549809	10-65	3	304	13,290	4.65	618	14	9,673	5.24	507	10-69	41	703	-.16	20	35	
63-03-1017	2580156	597564	7-64	4	305	12,742	4.39	559	21	9,615	5.00	481	1-70	35	568	-.13	16	28	
63-03-1017	2580160	597564	9-64	4	298	11,190	5.23	585	22	9,095	5.05	459	10-69	35	412	.03	23	30	
63-03-1017	2619092	597564	8-65	3	305	15,130	4.43	670	16	9,796	4.96	486	2-70	33	837	-.12	30	47	
63-03-1017	2725649	597564	10-67	1	305	13,990	4.71	659	14	10,500	4.84	508	1-70	24	450	-.04	19	27	
63-06-0002	2390475	497574	9-60	8	272	10,093	5.43	548	49	8,635	5.13	443	9-69	44	511	.03	28	37	
63-06-0002	2590162	572331	2-65	3	305	11,896	5.31	632	24	9,946	5.40	537	9-69	38	711	-.08	28	42	
63-06-0002	2610319	597051	11-65	2	305	11,410	5.43	619	19	9,030	5.54	500	9-69	29	395	.00	20	27	
63-06-0002	2613482	597051	10-65	2	305	13,850	5.06	701	11	8,955	5.39	483	2-70	29	699	-.03	32	45	
63-06-0002	2613485	597051	10-65	2	301	11,925	5.07	605	18	9,115	5.54	505	9-69	29	448	-.05	18	27	
63-07-0007	2306585	525627	9-58	8	302	11,490	4.68	538	47	8,958	5.10	457	3-69	43	586	-.13	17	29	
63-07-0007	2465545	549809	1-62	4	305	11,030	4.90	540	34	9,028	5.11	461	11-68	42	516	-.10	16	27	
63-07-0007	2534804	497574	5-63	4	295	10,463	4.80	502	39	8,828	5.09	449	6-69	43	532	-.06	21	31	
63-07-0007	2534814	497574	11-63	4	294	11,385	4.83	550	41	9,200	5.13	472	11-69	43	605	-.06	25	36	
63-07-0007	2534818	497574	12-63	3	301	10,720	5.52	592	46	9,620	5.11	492	2-69	42	473	.04	27	35	
63-07-0007	2563890	497574	1-64	3	301	11,580	5.01	580	41	9,120	5.15	470	10-69	42	626	-.04	28	39	
63-07-0007	2646438	549809	9-65	3	305	11,133	5.38	599	38	9,687	5.10	494	3-70	41	446	-.04	19	27	
63-07-0016	2454856	527714	8-61	6	296	11,280	4.73	534	33	8,448	4.94	417	5-69	36	488	-.05	20	29	
63-08-0015	2560931	595550	5-64	1	305	12,090	5.16	624	29	8,150	5.29	431	10-69	34	467	.03	26	34	
63-08-0015	2712493	580011	12-66	2	305	11,980	4.96	594	13	8,225	5.19	427	11-69	30	457	-.02	21	29	
63-08-0033	2311008	526137	4-58	1	305	11,400	5.42	618	12	7,490	4.95	371	7-69	33	431	-.03	19	27	
63-09-0005	2391417	579831	7-60	3	305	13,943	4.58	638	19	9,687	4.85	470	9-69	33	628	-.07	25	37	
63-09-0005	2544090	592373	8-63	4	305	12,640	4.91	621	13	10,178	4.99	508	3-69	34	472	-.03	21	30	
63-09-0005	2652826	579831	11-65	2	305	15,190	4.42	672	16	10,480	4.92	516	12-69	30	629	-.11	21	34	
63-09-0005	2678195	590317	9-66	2	305	14,565	4.96	723	20	10,865	4.90	532	12-69	34	585	.03	32	42	
63-11-0003	2352386	561096	11-59	3	305	12,357	4.73	584	25	8,807	5.01	441	12-68	32	477	-.04	20	29	
63-11-0004	2672438	549809	8-65	2	305	10,445	5.07	530	12	7,780	5.01	390	6-69	38	542	-.08	20	31	
63-13-0008	2429059	497574	5-61	6	304	10,467	4.73	495	9	8,723	4.93	430	10-69	44	549	-.05	23	33	
63-13-0008	2480821	497574	7-62	1	305	11,650	4.94	575	9	9,130	4.71	430	12-68	35	563	.00	28	38	
63-13-0017	2584688	590317	8-61	3	256	12,830	4.92	631	40	10,080	4.89	493	4-69	8	504	.02	27	35	
63-13-0017	2606654	590317	5-65	2	302	12,690	5.18	657	46	9,230	5.12	473	9-68	34	539	.03	30	39	
63-13-0017	2606657	590317	6-65	3	225	11,740	4.57	537	46	9,310	4.91	457	7-69	8	36	453	-.03	20	28
63-13-0017	2606658	590317	7-65	2	241	12,420	5.32	661	33	10,090	4.88	492	4-69	8	34	421	.09	29	35
63-13-0017	2620275	590317	10-65	2	304	12,310	5.66	697	34	9,560	5.12	489	11-68	8	34	463	.11	33	39
63-13-0017	2620276	590317	10-65	2	305	12,635	5.09	643	34	9,560	5.12	489	11-68	34	499	.02	27	35	
63-13-0024	2436158	497574	3-61	6	304	10,197	5.25	535	12	8,823	5.15	454	9-68	44	502	.00	25	34	
63-13-0024	2675958	578382	5-66	2	298	16,395	4.54	744	21	12,615	4.80	606	2-70	38	779	-.15	25	41	
63-13-0024	2752963	582400	10-67	1	305	13,460	5.05	680	8	10,060	5.00	503	11-69	34	615	-.07	24	36	
63-17-0017	2600231	564125	7-64	3	305	12,790	4.42	565	44	7,560	5.05	382	10-68	42	663	-.10	24	37	
63-19-0011	2235306	545916	8-57	9	305	16,191	4.52	732	20	10,260	4.87	500	12-69	36	939	-.11	36	54	
63-19-0011	2577189	595854	7-64	4	305	13,560	4.56	619	18	10,545	4.85	511	10-69	35	529	-.11	16	27	
63-19-0011	2597100	595406	12-64	4	304	15,607	4.59	716	22	11,382	4.66	530	11-69	37	578	-.02	27	37	
63-19-0011	2646234	600189	11-65	3	305	15,610	4.40	687	22	11,430	4.75	543	1-70	29	633	-.10	22	35	
63-19-0031	2740422	590165	8-60	1	305	13,690	5.00	684	11	9,240	4.88	451	11-69	24	528	-.02	25	34	
63-22-0017	2685740	599009	12-65	3	305	12,670	4.81	609	8	8,980	5.19	466	12-69	33	590	-.06	24	35	
63-23-0004	2591303	563955	9-63	4	305	11,450	4.66	534	46	8,890	5.24	466	1-69	40	401	.00	20	27	
63-23-0014	2509395	563805	3-63	3	257	13,103	5.17	678	64	10,587	5.14	544	1-69	8	41	580	.03	32	42
63-23-0014	2509403	563805	3-63	4	305	11,970	5.35	640	45	10,610	5.09	540	4-70	42	450	.07	29	36	
63-23-0014	2551165	563805	3-64	4	305	14,058	4.97	698	34	10,895	4.93	537	5-69	8	42	683	.03	37	48
63-23-0014	2551166	563805	3-64	4	305	11,830	4.86	575	41	10,438	4.96	518	12-69	42	452	.01	24	32	
63-23-0014	2573599	563805	5-64	4	305	11,383	5.24	596	50	10,313	5.09	525	11-69	42	410	.05	25	31	
63-23-0014	2573607	563805	6-64	3	295	13,020	5.37	699	55	10,203	5.08	518	10-68	8	41	611	.08	38	47
63-23-0014	2573611	563805	7-64	3	305	14,380	4.97	714	42	10,733	4.99	536	3-70	41	715	.02	38	50	
63-23-0014	2619791	563805	11-65	2	305	12,190	4.99	608	33	10,795	5.13	554	4-69	38	437	.01	23	30	
63-23-0014	2619793	563805	11-65	3	305	13,773	5.02	692											

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUED).

..COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L8) (L8) (L8)	..HERMATE NO. MILK (L8)	AVERAGES.. FAT FAT (L8) (L8)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (L8)	I N O E X..... FAT (L8) OOL- (L8) LARS
63-23-0018	2526966	497574	7-63	3 303 12,280 4.60 565	40	8,000 4.85 388	9-69	42	825 -.06 35 \$ 50
63-23-0020	2586424	597560	8-64	4 305 16,185 4.35 704	41	9,745 4.85 473	11-69	33	931 -.13 34 52
63-23-0020	2590122	567370	9-63	4 302 10,458 5.68 594	42	9,310 4.88 454	11-69	44	330 .09 25 29
63-23-0024	2573598	563805	4-64	3 305 11,260 4.59 517	64	9,360 4.82 451	4-69	41	492 -.02 23 32
63-23-0024	2604528	549809	1-65	3 297 12,170 4.27 520	71	9,310 4.82 449	12-68 H	41	609 -.17 14 27
63-23-0024	2614922	552298	5-65	3 300 10,656 5.09 542	75	8,613 4.83 416	9-69	34	386 .05 24 30
63-23-0024	2614925	605086	7-65	3 298 12,993 4.89 636	70	8,960 4.78 428	10-69	29	577 .01 30 40
63-23-0024	2673395	598750	5-66	2 305 11,070 4.85 537	63	8,820 4.73 417	11-69	30	450 -.02 21 29
63-23-0024	2702418	572331	7-66	1 305 16,420 3.99 655	56	9,860 4.47 441	2-69	31	1,048 -.19 34 55
63-23-0024	2721960	598750	6-67	1 305 13,080 4.62 604	55	9,820 4.55 447	11-69	25	497 -.03 22 31
63-23-0024	2721964	598750	12-66	1 305 11,930 4.66 556	74	9,120 4.74 432	7-69	25	451 -.04 19 27
63-23-0024	2724325	598750	5-66	2 305 11,670 4.19 489	73	8,470 4.83 409	7-69	30	558 -.13 16 28
63-23-0024	2730827	598750	10-67	1 305 12,370 4.83 597	27	9,840 4.39 432	3-70	25	433 .00 22 29
63-23-0024	2730828	598750	11-67	1 305 13,920 5.23 728	37	10,250 4.37 448	2-70	25	537 .05 32 40
63-23-0034	2302871	559928	8-58	8 304 13,265 4.83 641	45	10,427 5.03 524	9-69	37	485 -.06 19 28
63-23-0034	2487805	563805	2-62	4 305 13,630 4.29 585	51	10,565 5.02 530	8-69	42	666 -.11 23 36
63-23-0034	2487826	563805	6-62	4 305 16,933 4.69 795	45	11,005 5.01 551	5-69	42	1,035 -.04 48 67
63-23-0034	2509394	563805	2-63	4 275 11,820 4.73 559	47	10,645 5.09 542	4-70	42	427 -.03 19 27
63-23-0034	2530048	563805	10-63	4 305 14,538 5.05 734	44	11,003 5.02 552	8-69	42	732 .04 40 52
63-23-0034	2531819	563805	10-63	3 305 13,583 5.40 734	37	11,070 5.00 554	5-69	41	585 .09 38 47
63-23-0034	2551158	563805	12-63	4 305 12,273 4.68 574	38	11,213 4.91 550	6-69 8	42	420 -.01 20 27
63-23-0034	2693293	602658	12-66	2 305 12,075 4.80 579	53	9,755 5.02 490	10-69	32	773 -.11 28 43
63-23-0034	2700894	563805	12-66	2 251 12,690 4.93 625	40	10,575 5.09 538	2-70	38	510 .01 26 35
63-23-0034	2725719	563805	6-67	1 305 12,690 5.47 694	22	10,830 4.97 538	8-69	34	448 .08 30 37
63-23-0034	2751707	563805	2-68	1 305 13,040 4.72 616	18	10,790 4.87 525	4-70	34	477 .00 24 32
63-24-0008	2280647	556478	7-58	4 305 11,340 5.43 616	16	7,905 5.10 403	2-70	40	329 .13 28 32
63-24-0008	2514804	583396	9-61	4 300 11,987 5.06 606	21	8,035 5.04 405	11-69	41	536 -.07 20 31
63-24-0008	2711238	603109	8-66	2 304 11,125 5.46 607	17	8,805 5.17 455	3-70	32	446 .08 30 36
63-28-0001	2692250	603109	9-66	2 290 10,375 4.79 497	7	8,215 4.98 409	10-69	32	420 .01 22 29
63-32-0003	2638281	596956	7-65	3 304 13,186 4.28 565	7	8,133 4.88 397	12-69	33	790 -.13 27 43
63-32-0003	2638282	596956	7-65	3 305 11,370 4.41 501	6	8,360 4.84 405	12-69	33	520 -.09 18 28
63-32-0027	2304718	525627	12-58	4 304 16,473 4.59 756	57	12,885 4.85 625	10-69	42	759 -.14 25 40
63-32-0027	2352086	549809	9-59	8 302 14,110 4.66 658	42	12,014 4.87 585	7-69	43	576 -.13 17 29
63-32-0027	2562044	497574	4-64	4 303 13,720 4.61 632	64	12,480 4.90 611	9-69	43	528 -.08 19 29
63-32-0027	2562049	497574	4-64	4 305 13,923 4.72 657	73	12,830 4.89 627	12-69	43	514 -.05 21 31
63-32-0027	2581287	546137	9-64	3 305 15,267 4.43 677	64	12,787 4.83 617	9-69	42	581 -.02 27 37
63-32-0027	2581293	546137	11-64	4 302 15,693 4.61 724	75	12,835 4.94 634	11-69	43	646 -.01 31 42
63-32-0027	2604461	546137	12-64	3 305 15,270 4.77 729	62	12,697 4.90 622	9-69	42	591 .03 32 42
63-32-0027	2604462	546137	1-65	3 305 18,130 4.23 767	55	12,507 4.91 614	8-69	42	944 -.09 38 56
63-32-0027	2604463	546137	1-65	3 305 15,883 5.07 805	56	13,917 4.80 668	3-69	42	534 .10 36 44
63-32-0027	2646499	546137	9-65	2 305 13,775 5.02 691	41	12,755 4.79 611	7-69	40	399 .09 28 34
63-32-0027	2646501	546137	9-65	2 305 17,260 4.56 787	48	13,230 4.94 653	4-69	40	710 -.02 34 47
63-32-0027	2646503	546137	9-65	3 301 14,533 4.85 705	54	13,120 4.90 643	3-70	42	461 .04 27 34
63-32-0027	2646511	549809	9-65	3 299 15,627 4.47 698	71	12,667 5.03 637	11-69	41	661 -.19 15 30
63-32-0027	2674663	584458	4-66	2 296 13,385 5.07 679	57	11,940 4.99 596	8-69	39	468 -.05 19 28
63-32-0027	2674672	590165	7-66	1 305 16,270 4.77 776	75	12,760 4.99 637	11-68	24	476 -.06 18 27
63-32-0027	2703485	584458	9-66	1 305 15,510 4.74 735	68	13,180 4.86 640	1-69	35	517 -.07 19 29
63-32-0027	2703486	584458	9-66	1 305 16,580 4.99 827	68	13,180 4.86 640	1-69	35	598 -.04 26 37
63-32-0027	2703493	584458	10-66	2 305 13,885 5.65 785	60	12,715 4.84 616	1-70	39	447 .07 29 36
63-32-0027	2703496	563955	10-66	1 305 16,760 4.45 745	66	13,230 4.87 644	1-69	32	393 .01 21 28
63-32-0027	2703498	584458	11-66	1 305 16,170 4.50 728	61	13,170 4.85 639	2-69	35	568 -.11 18 30
63-32-0027	2703520	584458	3-67	1 305 14,390 4.92 708	69	12,130 4.86 590	11-69	35	503 -.06 20 30
63-32-0027	2725813	584458	5-67	1 305 14,180 4.59 651	76	11,800 4.85 572	9-69	35	510 -.09 17 27
63-32-0027	2725838	573431	10-67	1 305 15,560 5.12 797	70	12,190 4.86 593	12-69	34	539 .03 30 39
63-32-0027	2725840	573431	10-67	1 284 14,550 4.45 647	80	12,140 4.87 591	11-69	34	465 -.06 18 27
63-32-0027	2725843	590165	10-67	1 285 14,250 5.24 747	75	11,840 4.86 576	9-69	24	370 .03 21 27
63-32-0027	2725845	573431	10-67	1 305 13,460 5.31 715	70	12,190 4.86 593	12-69	34	377 .04 23 29
63-32-1120	2452065	535058	10-61	4 299 16,950 4.42 749	45	13,295 4.81 639	3-70 8	42	618 -.07 24 36
63-34-0010	2685168	603109	10-66	2 305 13,195 5.19 685	12	10,710 5.17 554	11-69	32	487 .05 29 37
63-34-0010	2685170	603109	10-66	2 305 11,480 5.28 606	9	10,255 5.19 532	10-69	32	336 .06 22 27
63-35-0001	2504388	583147	8-62	5 299 12,760 4.15 529	29	7,932 5.01 397	3-69	36	700 -.20 16 31
63-35-0001	2514647	567370	8-61	3 305 13,757 4.72 650	39	8,130 4.99 406	12-68	42	825 -.06 35 50
63-42-0001	2511791	586761	10-62	5 299 11,872 4.69 557	23	8,482 5.10 433	10-69	35	525 -.08 19 29
63-45-0001	2579852	549809	1-63	2 298 12,585 4.28 539	15	8,110 4.90 397	8-69	38	735 -.18 20 36
63-45-0002	2615326	549809	9-60	3 286 12,303 4.42 544	7	9,403 4.72 444	12-68	41	615 -.13 18 31
63-45-0002	2546747	549809	5-63	4 305 12,750 5.18 660	10	8,815 4.88 430	9-69	42	758 -.04 34 48
63-45-0002	2546751	549809	9-63	4 305 12,268 4.68 574	7	8,930 4.88 436	10-69	42	684 -.12 23 37
63-45-0002	2558478	549809	9-63	4 298 12,645 4.93 623	10	9,090 4.79 435	1-70	42	714 -.07 29 43
63-45-0002	2587440	549809	8-64	4 284 12,785 4.57 584	11	8,553 4.84 414	8-69	42	793 -.14 26 42
63-45-0002	2754461	563813	7-67	1 305 13,560 4.48 608	7	9,590 4.78 458	1-70	35	419 .00 21 28
63-51-0006	2622408	563955	10-65	2 305 11,500 5.43 624	22	8,890 4.94 439	12-68	36	352 .15 31 35
63-51-0006	2709318	571382	9-66	2 285 11,690 4.18 489	35	9,005 5.13 462	9-69	40	758 -.28 11 29
64-01-0115	2562212	595981	6-64	3 300 12,377 4.36 540	25	8,657 4.84 419	1-70	29	528 -.10 17 28
64-03-0109	2513747	560800	5-63	3 305 10,637 5.11 544	41	7,833 4.92 385	12-68	42	569 -.01 28 38
64-08-9107	2567251	589386	9-63	4 303 11,402 4.70 536	24	7,487 4.78 358	2-69	35	557 -.01 27 37
64-08-9107	2653653	597613	2-65	3 305 10,623 4.73 502	18	7,013 4.92 345	11-69	32	518 -.03 23 33
64-08-9107	2663051	597613	3-65	3 300 10,536 4.50 474	15	7,223 4.83 349	1-70	32	481 -.07 18 27
64-12-0102	2306764	572730	9-58	4 299 11,983 4.95 593	16	9,663 4.80 464	4-69	35	434 .01 23 30
64-12-0102	2393698	572730	8-60	3 305 12,703 4.63 588	25	9,340 4.94 461	4-69	33	547 -.06 22 32
64-28-0105	2536990	564125	9-63	4 305 11,460 5.60 642	26	9,468 4.96 470	11-69	43	322 .10 25 29
64-28-0105	2584579	560800	6-64	3 303 12,430 5.07 630	22	10,107 4.96 501	6-69	42	539 -.01 26 36
64-28-0105	2584582	560800	8-64	4 285 11,805 4.67 551	33	9,550 4.99 477	12-69	43	537 -.08 19 30
64-28-0105	2590669	560800	9-64	4 302 11,775 4.73 557	23	9,343 5.02 469	9-69	43	557 -.07 21 32
64-28-0105	2619210	560800	12-65	3 293 12,507 5.00 625	19	9,950 4.97 495	3-70	42	564 -.02 26 36
64-28-0105	2685636	564125	7-66	1 305 12,790 5.22 667	20	9,070 4.84 439	2-69	35	358 .03 21 27

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUEO).

..REGISTRATION..	..COW'S AVERAGE PRODUCTION..	..HEROMATE AVERAGES..	LAST T	.....C O W	I N D E X.....	.....											
COW'S LAST HERD CODE	COW NUMBER	SIRE NUMBER	COW BORN MO-YR	RECS OAYS	MILK (L8)	FAT (%)	FAT (L8)	NO. MILK (L8)	FAT (%)	FAT (L8)	CALVO C MO-YR	REPT O (%)	MILK (L8)	FAT (%)	FAT (L8)	OOO- LARS		
64-28-0105	2703024	564125	11-66	1	305	17,540	4.57	802	21	11,820	5.02	593	7-69	35	530	-.06	21	\$ 31
64-28-0105	2703025	564125	9-66	2	293	16,375	4.63	758	27	9,805	4.95	485	12-69	40	750	-.06	32	46
64-28-0105	2725399	585918	9-67	1	305	15,750	4.76	750	17	11,410	5.15	588	3-70	32	497	-.05	20	29
64-28-0105	2730170	585918	8-67	1	290	16,090	4.64	746	34	11,430	5.15	589	12-69	32	523	-.07	20	30
64-38-0102	2756904	560800	6-67	1	305	11,570	4.87	563	43	7,730	5.05	390	7-69	35	561	-.04	24	34
64-48-0103	2628913	564125	12-64	3	300	12,267	4.83	592	13	9,040	4.98	450	11-69	42	446	-.02	20	28
64-48-0107	2614189	589136	9-65	1	305	11,450	4.70	538	14	7,330	4.99	366	10-69	31	551	-.04	24	34
64-48-0107	2741316	595265	6-67	1	293	11,760	4.67	549	14	7,300	5.00	365	8-69	26	629	-.07	25	37
64-48-0110	2500004	568016	4-62	6	301	12,033	4.89	589	69	8,965	5.06	454	9-69	38	500	-.02	23	32
64-48-0110	2614776	595265	2-65	4	305	12,122	4.65	564	64	9,887	4.79	474	4-70	36	552	-.06	22	33
64-48-0110	2679357	595265	1-66	3	305	13,640	4.53	618	81	10,586	4.82	510	1-70	34	653	-.09	24	37
64-48-0110	2679373	595265	3-66	2	305	12,190	4.60	561	80	10,060	4.75	478	2-69	32	498	-.06	19	29
64-48-0110	2693269	602658	10-66	2	305	12,100	4.64	562	87	9,310	4.97	463	11-69	32	822	-.13	29	45
64-48-0110	2693270	602658	11-66	2	305	13,485	4.55	614	85	9,050	5.01	453	11-69	32	1,009	-.15	36	56
64-48-0110	2693275	602658	11-66	1	305	11,660	4.45	519	81	8,560	4.99	427	9-68	26	800	-.14	27	43
64-48-0110	2693276	602658	11-66	2	305	16,115	4.44	715	68	10,350	4.82	499	2-70	32	1,178	-.16	43	66
64-48-0110	2693277	595265	11-66	2	305	11,380	4.71	536	94	9,200	4.98	458	10-69	32	494	-.07	18	28
64-48-0110	2693279	602658	11-66	2	305	13,605	4.54	617	81	9,520	4.85	462	2-70	32	974	-.14	35	54
64-48-0110	2693280	602658	11-66	1	305	14,580	4.38	638	86	9,930	4.82	479	1-70	26	946	-.15	33	52
64-48-0110	2693282	602658	12-66	1	305	11,640	4.46	519	67	10,240	4.74	485	1-69	26	668	-.12	22	36
64-48-0110	2693283	602658	11-66	2	305	11,450	4.72	541	86	9,475	4.94	468	12-69	32	730	-.11	26	41
64-48-0110	2693288	602658	11-66	2	305	12,845	4.59	590	81	9,205	4.90	451	1-70	32	919	-.13	33	51
64-48-0110	2693294	602658	12-66	2	305	15,045	4.41	664	85	9,505	4.87	463	1-70	32	1,142	-.16	41	64
64-48-0110	2693295	602658	12-66	2	305	15,025	4.35	654	63	10,070	4.75	478	3-70	32	1,081	-.16	38	60
64-48-0110	2693302	602658	12-66	2	305	13,370	4.51	603	76	9,765	4.83	472	1-70	32	922	-.13	33	51
64-48-0110	2714529	602658	10-66	2	305	11,910	4.94	588	73	10,305	4.90	505	12-69	32	697	-.07	28	41
64-48-0110	2718063	602658	12-66	2	305	13,730	4.52	620	87	9,310	4.97	463	11-69	32	1,011	-.15	36	56
64-48-0110	2718065	602658	12-66	1	305	13,840	4.66	645	91	9,030	5.06	457	9-69	26	952	-.13	35	54
64-48-0110	2718071	602658	1-67	2	295	11,825	4.59	543	73	10,420	4.81	501	1-70	32	675	-.11	23	37
64-48-0110	2718072	602658	2-67	2	256	12,500	4.52	565	63	10,070	4.75	478	3-70	8 32	790	-.12	28	44
64-48-0110	2718073	602658	2-67	2	305	13,165	4.51	594	69	10,435	4.79	500	2-70	32	828	-.13	29	46
64-48-0110	2718075	602658	1-67	2	305	13,340	4.40	587	63	10,070	4.75	478	3-70	32	887	-.15	30	48
64-48-0110	2718076	602658	1-67	2	305	13,850	4.46	618	70	10,100	4.76	481	2-70	32	942	-.13	34	53
64-48-0110	2718081	602658	2-67	2	305	14,340	4.46	640	70	10,100	4.76	481	2-70	32	999	-.14	36	56
64-48-0110	2718086	602658	2-67	1	305	11,990	4.51	541	67	10,360	4.73	490	2-69	26	689	-.11	24	38
64-48-0110	2718097	602658	12-66	2	305	14,495	4.30	624	70	10,100	4.76	481	2-70	32	1,017	-.17	34	55
64-48-0110	2718098	602658	2-67	2	305	13,610	4.51	614	70	10,100	4.76	481	2-70	32	915	-.13	33	51
64-48-0110	2741303	602658	12-66	1	305	13,910	4.47	622	63	10,240	4.75	486	1-69	26	864	-.13	31	48
64-48-0110	2741327	602658	3-67	2	305	11,170	4.59	513	70	10,100	4.76	481	2-70	32	633	-.11	21	34
64-48-0110	2741330	602658	12-67	1	305	11,070	4.72	522	90	9,540	5.03	480	11-69	26	673	-.11	23	37
64-48-0110	2741333	602658	11-67	1	305	13,020	4.65	606	88	9,870	4.95	489	12-69	26	816	-.12	29	45
64-48-0110	2741356	595265	9-67	1	291	11,660	4.90	571	89	9,210	5.03	463	9-69	26	472	-.04	20	29
64-48-0110	2755049	602658	11-67	1	305	14,640	4.78	700	88	9,870	4.95	489	12-69	26	956	-.11	37	56
64-48-0110	2755053	602658	11-67	1	305	14,000	4.42	619	86	9,930	4.82	479	1-70	26	896	-.14	31	49
64-48-0110	2756200	584458	2-68	1	305	13,080	4.61	603	102	10,680	4.71	503	2-70	35	503	-.08	18	28
64-48-0110	2770629	602658	1-67	1	305	14,130	4.50	636	86	9,930	4.82	479	1-70	26	907	-.13	33	51
64-48-0110	2770641	602658	2-68	1	305	12,720	4.43	564	78	9,960	4.79	477	2-70	26	783	-.13	27	43
64-48-0110	2781654	584458	10-67	1	305	12,430	4.84	602	94	9,210	5.04	464	9-69	35	554	-.08	20	31
64-48-0110	2833159	602658	11-67	1	305	12,490	4.48	560	86	9,930	4.82	479	1-70	26	766	-.13	26	41
64-48-0111	2499965	568016	12-61	6	295	11,026	4.80	529	51	8,375	5.06	424	8-69	38	432	-.03	19	27
64-48-0111	2500026	568016	8-62	4	305	11,105	4.94	549	53	7,967	5.01	399	12-68	37	477	-.00	24	32
64-48-0111	2693252	595265	9-66	1	305	12,870	4.54	584	57	7,850	5.01	393	9-68	26	682	-.09	26	39
64-48-0111	2693253	595265	9-66	2	305	14,780	4.49	663	57	8,275	5.00	414	9-69	32	982	-.11	38	57
64-48-0111	2693292	602658	11-66	1	305	11,130	4.74	528	45	9,800	4.73	464	1-69	26	658	-.09	24	37
64-48-0111	2693298	602658	12-66	1	305	13,420	4.46	599	56	8,900	4.88	434	11-68	26	926	-.14	33	51
64-48-0111	2718094	602658	2-67	1	305	13,770	4.38	603	43	9,810	4.70	461	2-69	26	886	-.14	31	49
64-48-0120	2718067	602658	1-67	1	305	14,270	4.53	646	60	10,910	4.79	523	1-69	26	843	-.13	30	47
64-48-0120	2718068	602658	1-67	1	305	16,080	4.41	709	60	10,910	4.79	523	1-69	26	1,000	-.14	36	56
64-48-0120	2718088	602658	2-67	1	305	13,710	4.49	616	45	11,440	4.72	540	3-69	26	754	-.12	26	41
64-48-0120	2718102	602658	2-67	1	305	12,710	4.53	576	60	10,910	4.79	523	1-69	26	708	-.12	24	38
64-50-0102	2529733	564125	10-63	4	305	12,785	4.35	556	21	8,583	4.70	403	2-70	43	587	-.08	22	33
64-50-0103	2702147	560800	9-66	2	305	12,560	5.19	652	9	10,395	4.58	476	4-70	40	499	-.04	29	37
64-50-0103	2702148	560800	9-66	2	305	11,675	4.87	569	14	8,950	4.68	419	10-69	40	541	-.01	26	36
64-50-0103	2702153	560800	10-66	2	305	11,455	4.67	535	14	9,025	4.71	425	11-69	40	512	-.04	22	32
64-50-0106	2515746	564125	1-63	4	294	11,613	5.20	604	38	8,790	5.18	455	7-69	43	417	-.01	22	29
64-50-0106	2585180	598505	8-64	4	305	12,632	4.54	574	23	8,770	4.95	434	12-69	36	605	-.08	23	35
64-50-0106	2589093	598505	1-65	3	305	10,456	5.57	582	35	8,506	5.01	426	9-69	34	318	-.09	24	28
64-50-0106	2700896	563805	12-66	2	305	13,190	4.49	592	30	10,020	4.76	477	3-70	38	614	-.03	28	39
64-53-0101	2505090	564125	9-62	5	295													

TABLE 4. JERSEY USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (L8) (%) (L8)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C REPT MO-YR O (%)	.....C O W MILK (L8)	I N D E X..... FAT FAT (%) (L8)	..... FAT (L8)	..... OOL- LARS
65-02-0051	2490012	502114	8-62	5 303 15,442 4.62 713	8 9,376 4.69 440	3-70 43	980	-.09	40	\$ 59
65-03-0049	2593771	564125	11-64	3 305 14,043 4.50 632	28 9,363 4.84 453	6-69 42	619	-.06	25	37
65-03-0050	2548147	563805	2-64	4 299 12,080 5.03 608	7 9,073 5.04 457	4-69 42	640	.03	35	46
65-03-0050	2554397	563805	1-64	4 297 10,095 4.76 481	12 8,648 5.09 440	8-69 42	436	-.02	20	28
65-08-0022	2447845	562061	12-61	6 298 11,561 5.06 585	20 8,323 4.81 400	7-69 40	478	.10	33	40
65-08-0022	2538364	596250	7-63	5 298 10,700 4.79 512	46 7,670 4.95 380	10-69 36	418	-.02	19	27
65-08-0022	2538366	589199	8-63	5 291 11,070 4.82 534	50 7,560 4.99 377	9-69 37	577	-.01	28	38
65-08-0022	2547375	592109	10-62	6 297 10,325 5.15 532	48 7,687 4.93 379	9-69 36	398	.02	22	29
65-09-0004	2531387	591456	10-63	5 301 10,988 4.82 530	22 7,654 4.98 381	11-69 35	443	.00	22	30
65-14-0003	2679054	574246	4-66	1 305 11,040 4.91 542	14 6,940 4.86 337	12-68 31	516	-.02	24	33
65-14-0004	2405217	567063	12-60	2 289 11,930 5.16 615	23 8,750 4.81 421	3-69 38	374	.04	22	28
65-17-0002	2693297	602658	12-66	1 305 15,990 4.50 720	45 9,700 4.67 453	10-69 26	1,086	-.12	42	63
65-17-0017	2320200	533161	12-58	5 303 11,712 4.40 515	15 7,596 4.38 333	12-68 35	689	-.06	29	42
65-18-0001	2485486	574246	3-61	2 292 12,295 4.73 581	35 9,175 4.68 429	4-69 36	529	-.03	24	34
65-18-0001	2493652	567063	7-62	5 298 11,380 4.84 551	29 8,048 4.66 375	7-69 43	472	.00	24	32
65-18-0004	2629975	597562	12-64	4 305 13,075 4.76 623	42 10,412 4.66 485	11-69 36	595	-.04	26	37
65-18-0008	2503511	560800	8-62	5 294 12,288 4.12 506	28 7,980 5.08 405	9-69 44	795	-.18	22	39
65-18-0008	2726052	604309	8-67	1 305 12,920 4.71 608	31 8,770 4.94 433	5-69 22	446	-.01	21	29
65-18-0014	2772528	595550	2-68	1 305 14,780 4.01 593	35 9,290 4.84 450	3-70 34	595	-.08	22	34
65-21-0002	2390752	519827	9-59	3 294 13,233 5.03 665	76 9,800 4.96 486	8-69 40	651	-.03	30	42
65-21-0002	2410741	574790	2-61	3 305 14,267 5.03 717	80 9,173 4.99 458	1-70 33	745	-.01	36	49
65-21-0002	2583063	563805	6-64	3 305 12,957 4.91 636	85 9,657 4.95 478	8-69 41	661	.01	34	45
65-21-0002	2626488	563805	8-65	3 300 13,460 4.97 669	83 10,337 4.96 513	1-70 41	648	.03	35	46
65-21-0002	2626618	563805	7-65	3 296 11,637 4.94 575	62 9,663 4.99 482	4-69 41	504	.02	27	35
65-21-0002	2663226	598525	10-65	2 293 12,655 4.95 627	49 10,290 5.00 515	4-69 30	420	.01	22	29
65-21-0002	2663270	598525	1-66	2 305 12,645 4.84 612	66 10,305 4.97 512	3-69 30	417	-.01	20	27
65-21-0002	2666410	563805	9-65	2 304 11,120 4.71 524	68 8,780 4.99 438	9-69 38	515	-.01	25	34
65-21-0002	2703430	598525	10-66	2 305 11,200 5.46 612	49 9,760 4.99 487	2-70 30	305	.08	23	27
65-21-0002	2747372	563805	10-67	1 299 13,650 5.08 693	89 9,640 4.96 478	10-69 34	604	.04	34	44
65-21-0003	2626545	563805	8-64	2 303 10,080 4.82 486	48 9,000 4.98 448	4-69 38	385	.01	20	27
65-24-0001	2570748	575184	9-64	3 305 11,660 4.85 566	31 7,507 5.04 378	9-69 42	548	-.06	22	32
65-24-0001	2744252	601948	11-66	1 305 13,860 4.40 610	29 8,680 4.68 406	3-69 19	491	-.06	19	29
65-24-0005	2551405	575184	9-63	4 304 12,545 5.09 638	36 8,385 5.22 438	3-70 44	592	-.05	25	36
65-24-0005	2706202	584458	9-66	2 290 11,025 5.26 580	53 8,435 5.25 443	11-69 39	550	-.05	23	33
65-24-0005	2706203	584458	9-66	1 305 11,900 4.78 569	18 7,840 5.13 402	6-69 35	608	-.09	22	34
65-24-0005	2752601	584458	9-67	1 305 10,590 4.75 503	18 7,840 5.13 402	6-69 35	508	-.09	17	27
65-39-0001	2696661	560800	11-67	1 298 16,280 4.70 765	18 11,080 4.90 543	12-69 35	689	-.06	29	42
65-46-0004	2467403	587904	1-62	6 303 11,765 4.67 549	6 7,888 4.86 383	11-69 36	669	-.08	26	39
65-46-0016	2402843	561512	11-60	6 302 11,306 4.86 549	11 8,875 4.71 418	10-69 36	371	.03	21	27
65-46-0016	2684708	584458	7-66	1 305 14,570 4.77 695	18 11,820 4.76 563	1-69 35	538	-.06	21	31
65-57-0001	2403736	586225	8-60	3 305 10,730 5.11 548	20 7,476 4.82 360	9-68 33	452	.04	26	33
71-02-9083	2611569	588312	8-63	5 298 11,776 4.94 582	16 9,210 5.03 463	1-70 36	399	.00	20	27
71-03-0008	2504809	587005	8-62	4 305 11,425 5.32 608	16 8,873 4.79 425	6-69 33	400	.11	30	35
72-07-0001	2402681	563805	7-60	3 305 11,167 5.29 591	22 9,417 4.80 452	2-69 41	475	.09	32	39
72-07-0001	2406801	587145	9-60	5 301 11,538 4.88 563	15 8,988 4.72 424	3-70 35	397	.03	23	29
72-07-0006	2639645	591131	8-65	3 290 11,793 4.88 575	27 9,266 4.64 430	9-69 41	380	.06	25	31
72-07-0006	2646070	591131	10-65	3 292 12,790 4.09 523	28 9,270 4.62 428	8-69 41	497	-.06	19	29
72-14-0002	2561197	596407	10-63	4 305 11,613 5.16 599	36 8,763 5.17 453	7-69 41	453	.00	23	31
72-14-0002	2721495	584458	12-66	2 305 11,165 5.16 576	34 9,060 5.21 472	1-70 39	506	-.06	20	30
72-14-0002	2740602	584458	3-67	1 305 12,060 4.74 572	41 8,780 5.31 466	8-69 35	556	-.10	18	29
72-17-0001	2406483	553236	10-60	5 305 10,918 4.73 516	44 9,386 5.07 476	12-69 42	435	-.01	21	29
72-17-0001	2457639	535683	9-61	4 302 12,298 5.71 702	39 9,663 5.06 489	2-69 37	453	.15	37	42
72-17-0001	2457644	535683	10-61	4 303 12,023 5.06 608	31 9,688 5.10 494	7-69 37	412	.03	23	30
72-17-0001	2457646	535683	10-61	4 305 12,710 5.62 714	38 10,193 5.09 519	2-69 37	444	.13	34	40
72-17-0001	2457651	564654	11-61	4 298 12,970 5.00 649	39 10,085 5.09 513	7-69 41	477	-.05	19	28
72-28-0014	2533798	497574	11-63	1 305 12,540 3.97 498	9 7,740 4.57 354	2-70 35	724	-.10	27	41
72-31-6102	2655797	596407	12-65	2 305 12,600 5.18 653	16 8,805 4.95 436	8-69 38	495	.02	27	35
72-31-6102	2725159	602754	8-67	1 303 10,990 4.98 547	24 9,160 4.73 433	8-69 28	447	.03	25	32
72-37-0103	2537445	596407	10-63	3 300 11,897 5.03 598	17 9,760 4.68 457	10-69 40	357	.03	21	27
72-37-0103	2668624	580714	12-65	3 305 12,240 4.60 563	15 9,990 4.80 480	2-70 37	486	-.01	23	32
72-46-0001	2690146	580714	9-66	2 297 12,335 4.75 586	23 8,800 4.56 401	7-69 35	590	.04	33	43
72-46-0001	2737397	602754	7-67	1 305 11,490 4.48 515	23 9,290 4.56 424	6-69 28	479	-.01	23	32
72-59-0120	2469001	564656	9-61	2 296 11,390 4.80 547	17 7,615 4.75 362	2-69 25	462	.00	23	31
72-60-0101	2575364	549126	8-63	3 305 12,297 4.37 537	91 9,000 4.59 413	3-69 41	474	-.02	22	31
73-02-0001	2518936	502114	7-62	5 298 10,816 4.98 539	22 8,656 4.97 430	3-70 43	457	-.05	18	27
73-02-9007	2585690	564125	10-64	3 305 14,900 5.07 756	32 10,290 5.22 537	7-69 42	622	-.01	30	41
73-02-9007	2652769	578382	6-65	3 305 12,860 4.71 606	28 10,366 5.18 537	6-69 41	646	-.15	18	32
73-02-9007	2740583	578382	7-67	1 305 13,090 5.63 737	39 10,460 5.62 588	10-69 34	584	-.08	22	33
73-02-9007	2740584	560800	2-67	1 305 14,290 5.17 739	20 10,960 5.21 571	3-69 35	547	-.03	25	35
73-02-9007	2740599	578382	8-67	1 305 15,820 5.18 819	39 10,460 5.62 588	10-69 34	794	-.12	28	44
73-23-9002	2420787	580977	2-61	6 304 12,602 4.59 579	35 8,920 5.02 448	10-69 35	691	-.11	24	38
73-23-9002	2510469	592911	1-63	4 305 10,642 5.31 565	36 9,270 4.97 461	10-69 33	313	.09	24	28
73-23-9002	2525395	592911	5-63	4 305 12,442 5.47 681	46 8,775 5.00 439	5-69 33	640	.12	43	52
73-23-9002	2525398	592911	7-63	5 295 11,248 5.35 602	40 9,446 4.94 467	1-70 35	388	.10	29	34
73-23-9002	2576860	592911	1-65	3 305 11,750 5.41 636	45 8,443 4.90 414	5-69 32	556	.11	38	46
73-23-9002	2583447	592911	3-65	3 304 11,113 5.24 582	49 8,753 4.88 427	4-69 32	431	.08	29	35
73-23-9002	2583448	592911	3-65	3 299 10,083 5.27 531	48 8,436 4.92 415	4-69 32	329	.08	24	28
73-23-9002	2701115	604427	9-66	2 305 11,510 5.41 623	46 8,105 5.13 416	10-69 30	561	.07	35	44
73-26-0050	2573917	589166	10-64	4 305 10,052 4.85 488	21 8,517 4.85 413	3-70 40	414	-.01	20	27
73-36-9015	2520182	567370	6-63	3 305 12,427 4.93 613	26 8,943 4.89 437	2-69 42	588	-.02	28	38
73-36-9015	2520183	567370	6-63	3 304 12,783 4.66 596	25 9,223 4.93 455	1-70 42	600	-.06	24	35
73-45-9007	2350155	571021	8-58	3 305 11,510 5.09 586	11 7,183 4.80 345	4-69 34	496	.04	29	37
73-60-9020	2663855	564125	2-66	2 305 12,515 4.35 545	7 8,340 4.95 413	12-69 40	491	-.08	17	27
73-60-9020	2741963	560800	2-67	1 305 10,790 4.29 463	5 7,000 5.26 368	8-69 35	552	-.10	18	29
73-60-9020	2741965	560800	7-67	1 305 10,830 4.35 471	7 7,340 5.07 372	9-6				

TABLE 4. JERSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C OC REPT (%)	O W MILK (LB)	I N O FAT (%)	E X FAT (LB) OOL- LARS
74-01-0034	2208876	487638	8-57	6 305	11,440	5.03	576	33 9,113	4.80	437	1-69	36	363	.05	23	\$ 29	
74-04-0115	2527836	499207	11-62	4 264	12,793	5.05	646	40 9,585	4.88	468	2-69	8 43	429	.04	25	32	
74-04-0115	2605510	598262	12-64	4 304	14,267	4.96	708	42 10,245	4.80	492	1-70	33	687	.03	37	49	
74-04-0115	2705572	598262	1-66	2 305	12,690	4.88	619	36 9,410	4.92	463	12-68	29	490	-.01	24	33	
74-05-0031	2627023	605418	4-61	4 298	10,297	4.80	494	75 7,557	4.59	347	1-70	8 34	403	.02	22	29	
74-05-0036	2344848	578692	9-59	7 275	11,674	4.08	476	72 7,939	4.72	375	11-69	36	594	-.16	15	28	
74-05-0043	2401051	549126	12-60	4 305	11,865	5.06	600	51 8,953	4.71	422	1-70	42	453	.07	29	36	
74-05-0043	2513326	590318	2-63	5 300	11,710	4.93	577	53 8,730	4.78	417	12-69	40	515	-.04	22	32	
74-06-0003	2313401	567867	9-58	6 296	11,075	4.75	526	20 8,591	4.41	379	12-69	35	479	.04	28	36	
74-10-0190	2400184	555023	2-57	9 303	10,645	5.44	579	23 8,531	5.01	427	10-69	38	331	.06	22	27	
74-10-0190	2400196	555023	12-59	8 297	11,630	4.95	576	23 8,956	4.97	445	3-69	38	418	-.01	20	27	
74-10-0190	2802564	578382	6-68	1 305	13,150	4.45	585	20 10,420	4.62	481	4-70	34	591	-.12	18	30	
74-10-0214	2508985	587883	11-62	2 302	13,195	4.59	605	26 9,400	4.97	467	8-69	28	614	-.07	24	36	
74-10-0220	2756488	578382	11-67	1 275	11,480	4.36	501	21 8,950	4.65	416	3-70	34	564	-.13	16	28	
74-15-0162	2507466	563805	11-62	4 302	12,418	4.06	504	36 10,110	4.73	478	3-70	42	564	-.10	19	30	
74-15-0162	2507467	563805	1-63	4 305	11,225	5.28	593	33 9,328	4.72	440	7-69	42	502	.11	35	42	
74-15-0162	2507468	563805	2-63	3 300	12,143	5.20	631	31 9,730	4.73	460	1-69	41	557	.09	36	44	
74-15-0162	2590446	563805	12-64	3 305	13,613	4.80	653	36 9,650	4.73	456	7-69	41	740	.02	39	52	
74-15-0162	2709175	563805	1-67	1 305	13,150	3.98	524	32 10,690	4.73	506	4-69	34	493	-.06	19	29	
74-15-0162	2737057	602672	10-67	1 305	15,760	4.62	728	22 10,630	4.65	494	2-70	23	442	-.01	21	29	
74-15-0188	2497496	584448	8-62	5 305	11,836	4.87	576	10 8,288	4.98	413	2-70	36	541	-.02	25	35	
74-16-0116	2397048	502114	8-60	8 302	11,135	5.24	584	19 9,324	4.93	460	3-70	43	420	.00	21	28	
74-16-0116	2454767	560800	11-61	6 305	12,112	4.80	581	21 8,805	4.99	439	4-69	44	675	-.06	28	41	
74-16-0116	2679489	560800	9-66	2 297	10,205	5.39	550	20 8,990	4.88	439	8-69	40	388	.03	22	28	
74-16-0116	2679494	560800	7-66	2 305	12,420	4.65	578	21 9,120	4.79	437	7-69	40	602	-.05	25	36	
74-16-0147	2341625	574480	7-59	1 305	14,430	4.19	605	40 9,860	4.45	439	7-69	23	520	-.06	20	30	
74-16-0147	2612865	574480	6-61	2 305	13,800	4.39	606	42 10,045	4.56	458	12-69	29	560	-.06	22	33	
74-16-0147	2612866	574480	6-61	2 280	12,545	4.60	577	46 9,980	4.51	450	11-69	29	415	-.01	20	27	
74-16-0147	2612874	574480	6-62	2 301	12,615	4.65	586	43 9,645	4.48	432	8-69	29	460	.00	23	31	
74-16-0147	2612903	591904	8-65	2 293	13,620	4.41	600	28 10,185	4.54	462	3-70	29	479	-.07	17	27	
74-18-0133	2586530	594043	7-63	5 303	12,334	4.04	498	22 8,224	4.80	395	9-69	35	666	-.17	17	31	
74-18-0133	2607191	553904	2-65	3 305	12,176	4.95	603	35 9,300	4.70	437	4-69	38	403	.08	28	34	
74-25-0136	2499061	563805	8-62	5 268	11,580	5.66	656	27 10,150	5.54	562	1-70	43	459	.06	29	36	
74-25-0136	2642965	563805	2-66	2 305	15,500	4.84	750	49 8,920	5.47	488	8-69	38	959	-.04	44	61	
74-25-0136	2712712	602434	5-66	2 305	12,410	5.88	730	33 9,370	5.66	530	11-69	29	456	.07	29	36	
74-25-0136	2739712	602434	7-67	1 305	13,050	5.37	701	54 9,140	5.33	487	7-69	24	447	.02	24	32	
74-25-0199	2443937	585350	12-60	3 305	21,760	5.68	1237	15 12,680	5.66	718	12-68	32	1,458	.16	89	112	
74-25-0199	2443946	585350	6-61	5 305	16,844	5.73	966	18 12,096	5.51	667	3-70	35	940	.16	63	77	
74-25-0199	2561095	585350	1-62	4 305	14,675	6.45	946	25 12,527	5.52	691	8-69	34	541	.31	56	61	
74-25-0199	2598301	585350	7-63	5 305	14,896	5.76	858	19 12,220	5.54	677	3-70	35	629	.15	46	55	
74-25-0199	2598304	585350	8-63	5 303	13,346	5.93	792	30 12,218	5.54	677	8-69	35	395	.18	36	40	
74-25-0199	2710770	604905	8-66	2 305	15,680	5.39	845	38 12,910	5.52	712	9-69	25	402	.00	20	27	
74-25-0199	2710773	603198	2-66	2 305	20,140	5.33	1073	43 12,865	5.56	715	9-69	25	971	.00	49	66	
74-25-0199	2710775	604905	7-66	1 305	20,230	5.77	1168	5 12,970	5.58	724	3-70	19	729	.09	45	56	
74-25-0199	2714481	604905	7-66	2 305	15,880	5.38	854	38 12,935	5.51	713	7-69	25	424	.01	22	29	
74-25-0199	2741138	604909	10-67	1 305	17,640	5.68	1002	5 13,400	5.60	751	3-70	19	446	.05	27	34	
74-30-0108	2581736	575184	9-64	4 301	11,953	4.53	542	12 7,528	4.78	360	9-69	44	614	-.09	22	34	
74-30-0124	2650624	591226	2-66	3 303	12,616	4.48	565	18 8,853	4.44	393	8-69	32	525	-.02	24	34	
74-35-0109	2300291	540787	12-67	9 293	11,923	4.60	548	59 8,677	5.00	434	6-69	35	586	-.07	23	34	
74-35-0109	2505621	567370	9-62	5 296	12,344	4.88	602	72 9,126	4.87	444	11-69	44	598	-.02	28	39	
74-35-0109	2536056	563805	3-63	4 305	12,870	5.35	688	81 8,635	4.84	418	1-70	42	790	.10	49	61	
74-35-0109	2549801	563805	3-64	4 305	11,258	5.22	588	72 8,590	4.88	419	11-69	42	591	.07	36	45	
74-35-0109	2569578	513246	7-58	4 305	10,745	5.45	586	73 8,995	4.88	439	1-70	37	410	.06	26	32	
74-35-0109	2683565	604427	8-66	2 305	13,015	5.29	688	69 9,770	4.64	453	3-70	30	561	.11	38	46	
74-35-0109	2683567	604427	8-66	1 305	13,520	4.59	621	82 9,610	4.56	438	2-69	24	532	.00	27	36	
74-35-0109	2694803	604427	8-66	1 305	11,580	5.03	583	75 9,520	4.60	438	1-69	24	366	.06	24	29	
74-35-0109	2697034	604427	4-67	1 305	12,990	5.41	703	67 9,960	4.73	471	2-70	24	456	.10	32	38	
74-35-0109	2697049	604427	7-67	1 305	12,540	5.21	653	57 9,930	4.72	469	3-70	24	419	.07	27	33	
74-35-0109	2697060	604427	8-67	1 305	12,540	4.47	561	41 9,440	4.72	446	4-70	24	458	-.02	21	29	
74-35-0109	2697317	604427	11-66	2 305	12,035	5.34	643	79 9,760	4.65	454	1-70	30	446	.11	33	39	
74-35-0109	2772451	604427	1-68	1 305	12,160	4.83	587	41 9,440	4.72	446	4-70	24	424	.02	23	30	
74-35-0109	2772454	604427	1-68	1 305	11,800	5.21	615	57 9,930	4.72	469	3-70	24	353	.07	24	29	
74-35-0109	2772465	604427	10-66	2 298	12,235	4.63	566	74 9,785	4.64	454	2-70	30	467	.01	24	32	
74-35-0109	2772473	604427	2-67	1 305	11,660	5.27	615	82 9,610	4.56	438	2-69	24	366	.09	27	32	
74-35-0109	2772474	604427	4-67	1 305	13,680	4.61	631	57 9,930	4.72	469	3-70	24	520	-.01	25	34	
74-35-0109	2772488	604427	1-67	1 305	12,290	4.49	552	82 9,610	4.56	438	2-69	24	422	.00	21	28	
74-35-0109	2777914	604427	7-67	1 305	12,350	4.91	607	41 9,440	4.72	446	4-70	24	441	.03	25	32	
74-35-0109	2788098	604427	7-67	1 305	11,630	5.47	636	77 9,910	4.74	470	1-70	24	339	.10	26	30	
74-36-0019	2509339	560227	10-62	5 294	10,146	4.88	495	66 8,002	4.71	377	1-69	41	448	-.02	21	29	
74-36-0019	2567167	497574	3-64	4 304	10,843	4.68	507	117 7,428	4.85	360	11-69	43	736	-.05	32	46	
74-36-0019	2690738	563805	6-66	1 305	11,600	4.61	535	48 8,100	4.86	394	4-69	34	553	-.01	27	37	
74-36-0024	2226947	567867	10-57	7 302	11,715	4.85	568	19 8,562	4.85	415	2-69	35	580	.00	29	39	
74-36-0024	2567058	567370															

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE OAYS	MILK (L8)	PRODUCTION FAT (%)	FAT (L8)	HERDMATE NO.	AVERAGES MILK (L8)	FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C D	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS
82-14-5157	2638461	594889	10-65	2	305	14,065	5.06	711	35	8,655	5.22	452	12-68	25	682	-.01	33	\$ 45
82-14-5157	2736590	604567	10-67	1	305	13,140	4.99	656	28	8,260	5.21	430	12-69	19	458	-.01	22	30
82-15-0198	2661620	563813	3-65	3	298	11,970	4.69	561	16	9,363	4.91	460	4-69	42	412	-.01	20	27
82-15-0198	2661632	583915	3-64	3	305	11,330	4.90	555	10	8,060	4.83	389	7-69	34	605	-.02	28	39
82-15-0198	2661640	583915	7-64	3	297	11,903	5.12	609	14	9,390	4.87	457	4-69	34	523	.01	27	36
82-15-0198	2687446	557569	8-66	2	305	11,405	4.40	502	13	9,105	4.92	448	4-69	36	602	-.13	18	31
82-15-0198	2687449	557569	10-66	2	301	11,445	4.75	544	13	9,370	4.91	460	2-70	36	580	-.09	21	32
82-16-0167	2642968	563805	3-66	2	305	10,475	5.53	579	8	8,490	5.17	439	6-69	38	474	.07	30	37
82-16-0167	2764115	593883	5-68	1	305	12,010	5.02	603	7	9,250	5.54	512	3-70	28	567	.02	30	40
82-25-5118	2597555	577237	11-64	4	305	11,128	5.72	637	11	9,093	5.23	476	11-69	42	385	.15	33	37
82-26-0223	2605344	591131	10-65	2	239	12,825	5.47	701	8	10,225	4.86	497	4-69	8 39	367	.12	29	34
82-29-0213	2491670	567370	4-62	4	303	11,490	5.21	599	20	9,823	5.14	505	10-69	44	400	.00	20	27
82-29-0213	2507949	561500	8-62	4	305	15,635	4.76	745	36	9,850	5.16	508	7-69	42	759	-.06	32	46
82-29-0213	2524207	561500	11-62	4	305	13,240	4.91	650	40	9,973	5.10	509	6-69	42	443	-.02	20	28
82-29-0213	2565092	561500	11-63	4	305	13,420	4.85	651	19	10,020	5.10	511	11-69	42	460	-.03	20	29
84-49-5171	2514743	502114	3-63	5	297	13,052	4.60	600	7	9,288	5.15	478	4-70	43	676	-.13	21	35
84-03-0814	2585247	596262	9-64	1	305	15,870	4.39	696	88	9,640	5.00	482	12-69	24	654	-.07	26	39
84-03-0814	2732185	563813	8-67	1	305	12,380	5.23	647	29	8,280	5.19	430	7-69	35	418	.05	26	32
84-06-9071	2421605	549126	1-61	3	282	10,363	5.47	567	33	7,810	5.16	403	12-69	41	373	.08	26	31
84-06-9089	2592810	596975	11-64	3	301	14,070	4.61	649	9	9,687	4.94	479	7-69	29	637	-.07	25	37
84-08-0006	2612587	577237	4-65	2	305	10,175	5.03	512	21	7,730	5.27	407	12-68	39	375	.06	24	30
84-08-0006	2700148	577237	7-66	1	305	10,330	5.51	569	19	8,010	5.32	426	12-68	35	313	.10	25	29
84-08-0006	2724130	577237	3-67	1	305	10,090	5.23	528	32	7,810	5.02	392	3-69	35	308	.09	24	28
84-08-9010	2520691	563805	4-63	4	303	10,060	5.98	602	6	8,508	5.49	467	6-69	42	448	.11	33	39
84-15-9019	2549006	567370	10-63	4	302	11,305	5.19	587	51	8,628	5.12	442	10-69	44	510	-.01	25	34
84-15-9019	2657412	541866	3-63	4	305	12,668	5.12	648	54	8,733	5.13	448	1-70	43	520	.04	30	38
85-20-9001	2508390	550331	8-62	3	305	13,567	4.58	622	50	9,637	4.85	467	3-70	42	433	.00	22	29
85-20-9001	2534516	582139	9-62	3	305	16,427	4.79	787	49	11,027	4.53	499	12-68	35	755	.03	41	54
85-20-9001	2588008	583915	12-62	4	305	16,407	4.10	673	46	10,557	4.56	481	4-69	35	1,031	-.18	34	55
85-20-9001	2588009	564125	2-63	4	288	12,180	5.08	619	34	9,800	4.72	463	8-69	43	375	.05	23	29
85-20-9001	2606619	603067	3-65	2	305	12,205	5.19	634	42	9,270	4.96	460	10-69	25	377	.04	23	29
85-20-9001	2709106	584664	9-66	2	282	11,515	5.56	640	66	9,860	4.93	486	1-70	39	311	.09	24	28
85-20-9001	2765930	578382	9-67	1	305	11,560	4.73	547	57	9,070	5.02	455	2-70	34	562	-.13	16	28
86-01-0447	2241521	560855	11-57	1	305	15,400	5.32	819	66	8,510	4.83	411	10-68	24	547	.08	35	43
86-01-0447	2693370	583915	5-64	1	305	12,720	4.72	600	51	8,130	4.93	401	11-68	26	601	-.05	25	36
86-01-0456	2336585	571041	5-59	2	305	12,675	4.87	617	68	9,755	4.65	454	2-69	32	489	.02	26	34
86-01-0456	2407254	571041	8-60	3	305	13,100	4.18	548	61	9,433	4.65	439	7-69	34	625	-.10	22	34
86-01-0456	2617021	583876	8-62	3	305	12,550	4.90	615	60	9,793	4.61	451	1-70	29	407	.04	24	30
86-01-0456	2632480	576127	7-65	2	305	12,450	4.87	606	58	10,155	4.56	463	3-69	38	345	.07	24	29
86-01-0456	2632486	576127	9-65	2	305	13,960	4.61	644	57	8,935	4.62	413	7-69	38	617	.02	33	43
86-01-0456	2713832	605832	8-66	1	305	15,530	4.46	692	56	10,460	4.59	480	3-69	19	497	-.04	21	30
86-01-0456	2713860	560800	1-67	1	305	14,190	4.83	686	35	9,900	4.67	462	4-69	35	612	-.03	28	39
86-01-0456	2713869	582400	2-67	1	305	14,460	4.18	605	68	10,410	4.59	478	1-69	34	668	-.14	20	34
86-01-9447	2537941	556095	10-61	3	298	16,507	4.26	703	72	9,820	4.83	474	11-69	42	958	-.16	32	51
86-01-9447	2625124	560800	5-64	2	305	12,765	5.13	655	45	9,745	4.82	470	2-69	40	579	.01	30	40
86-01-9447	2625133	563813	12-64	2	280	12,230	4.69	574	56	9,640	4.59	442	3-69	40	378	.03	22	28
86-01-9447	2664809	595944	11-64	3	296	13,500	4.93	666	66	10,113	4.80	485	1-70	35	588	.05	34	43
86-01-9447	2672399	595944	11-64	2	290	11,950	4.79	572	46	10,445	4.60	480	1-69	32	329	.06	22	27
86-01-9447	2693374	583915	1-64	1	305	13,100	4.56	597	78	9,320	4.75	443	7-69	26	541	-.06	21	31
86-01-9447	2736013	560800	11-67	1	305	13,160	5.07	667	117	9,580	4.94	473	11-69	35	556	-.02	26	36
87-02-0886	2593604	591131	12-64	3	300	10,713	5.04	540	22	8,016	5.08	407	7-69	41	386	.04	23	29
87-02-0900	2492227	560800	8-62	6	303	11,052	4.61	510	17	8,810	5.22	460	2-70	44	536	-.10	17	28
87-03-0015	2673684	572331	3-66	3	288	11,380	4.67	532	15	8,286	5.14	426	2-70	38	833	-.14	28	45
87-06-0190	2598858	562259	4-62	1	305	10,310	4.87	502	12	6,900	4.45	307	8-69	34	441	.05	27	34
87-06-0700	2724954	567370	5-67	1	305	11,150	6.04	673	29	9,200	5.03	463	8-69	36	353	.07	24	29
87-06-0798	2410568	563805	10-60	1	305	11,880	4.75	564	64	8,600	4.98	428	12-68	34	540	.00	27	36
87-06-0798	2537961	584664	5-62	1	305	12,020	4.95	595	53	7,720	5.14	397	9-68	35	458	.00	23	31
87-06-0798	2544154	556095	9-62	2	305	14,495	5.04	730	48	7,860	5.17	406	10-69	40	839	-.04	38	53
87-06-0798	2551161	563805	1-64	1	305	12,290	5.07	623	64	8,600	4.97	427	12-68	34	571	.04	32	41
87-06-0798	2743760	600624	1-67	2	305	15,110	4.95	748	57	8,555	4.91	420	3-70	29	797	.00	40	54
88-18-0103	2537126	567370	8-63	4	300	10,515	4.97	523	26	8,063	5.05	407	4-69	44	475	-.03	21	30
88-01-0035	2510944	553236	10-60	4	305	12,047	4.98	600	17	9,987	4.76	475	8-69	41	504	.06	31	39
88-01-0035	2637913	593883	7-64	3	304	13,443	5.21	700	14	10,803	4.84	523	3-69	36	659	.11	43	53
88-01-0044	2530817	567370	5-62	1	305	13,320	5.40	719	12	9,650	4.95	478	12-68	36	485	.03	27	35
88-01-9002	2413311	580714	1-61	3	305	18,437	4.12	759	28	11,373	4.99	568	5-69	37	1,107	-.17	38	60
88-01-9002	2482419	580714	2-62	4	305	13,895	4.85	674	24	11,543	4.97	574	12-69	39	536	.00	27	36
88-01-9002	2482430	580714	6-62	4	305	12,710	5.28	671	21	11,338	4.99	566	12-69	39	402	.09	28	34
88-01-9002	2537517	553236	9-60	6	305	12,961	5.05	655	25	11,110	4.97	552	9-69	42	502	.05	30	38
88-01-9002	2537520	580714	10-63	3	305	13,033	4.80	625	17	11,763	4.91	577	11-68	37	385	.01		

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION.. COW NUMBER	..SIRE NUMBER	CDW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	PRODUCTION. FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS	
88-01-9023	2722171	593883	3-67	1 305	13,080	5.84	764	22	10,950	5.30	580	3-69	28	529	.12	38	\$ 45
88-01-9023	2722173	593883	7-67	1 305	12,770	5.55	709	33	10,460	5.43	568	8-69	28	540	.08	35	43
88-01-9023	2760150	593883	1-68	1 305	12,960	4.76	617	32	11,630	5.08	591	1-70	28	467	.02	25	33
88-01-9023	2760151	593883	1-68	1 305	14,160	5.16	731	32	11,630	5.08	591	1-70	28	568	.07	35	44
88-01-9023	2760156	593883	2-68	1 300	13,080	5.18	677	26	11,790	5.07	598	2-70	28	465	.07	30	37
88-01-9033	2514039	583175	5-63	4 305	14,613	4.92	719	15	10,753	4.97	534	1-70	36	710	-.02	34	47
88-01-9033	2526136	580714	6-63	3 305	13,583	5.26	715	18	11,730	4.88	572	4-69	37	458	.10	32	38
88-01-9033	2526142	580714	8-63	3 305	12,647	5.56	703	10	11,370	4.81	547	11-68	37	381	.15	33	37
88-01-9033	2550492	580714	1-64	3 301	13,643	4.86	663	12	11,570	4.81	557	1-69	37	484	.03	27	35
88-01-9033	2597621	597904	2-65	3 302	13,160	4.84	637	13	11,016	4.88	538	5-69	34	444	-.01	21	29
88-01-9033	2597640	597904	6-65	3 305	14,586	5.29	771	11	11,286	4.88	551	11-69	34	599	.07	37	46
88-01-9033	2613889	597904	8-65	2 305	14,425	4.79	691	13	10,060	5.07	510	9-69	32	657	-.05	28	40
88-01-9033	2613893	597904	10-65	1 305	16,130	4.22	681	11	11,560	4.78	552	1-70	26	569	-.10	19	31
88-01-9033	2670685	597904	12-65	2 305	14,035	4.73	664	14	11,460	4.82	552	4-69	32	467	-.03	21	30
88-01-9033	2670706	583175	6-66	2 305	14,240	4.73	674	21	11,035	4.82	532	1-70	32	546	-.02	25	35
88-01-9033	2670709	597904	6-66	2 305	12,580	4.93	620	14	10,405	4.90	510	6-69	32	408	.00	20	27
88-01-9033	2719743	580714	4-67	1 305	13,070	4.93	644	23	11,590	4.87	565	4-69	30	356	.03	21	27
88-01-9033	2719744	580714	4-67	1 305	13,530	5.02	679	24	11,310	4.94	559	5-69	30	415	.05	25	32
88-02-0011	2537898	584475	12-60	3 305	13,607	4.92	670	37	8,823	5.05	446	1-69	31	734	-.02	35	48
88-02-0015	2397343	497574	6-60	7 301	10,759	4.75	511	20	9,321	5.02	468	8-69	44	517	-.06	20	30
88-02-0015	2435750	497574	2-61	6 303	11,445	4.59	525	16	8,882	4.92	437	6-69	44	658	-.07	26	39
88-15-9001	2454747	584532	6-61	4 305	13,348	4.99	666	27	10,118	5.28	534	7-69	38	618	-.05	26	38
88-15-9001	2454749	584532	7-61	3 305	13,610	4.79	652	27	10,650	5.20	554	6-69	37	566	-.08	21	32
88-15-9001	2501674	563805	12-62	1 305	13,380	5.32	712	32	12,180	5.23	637	10-69	34	407	.04	24	30
88-15-9001	2501675	567370	12-62	5 305	17,184	4.90	842	26	10,802	5.38	581	3-70	44	1,028	-.09	43	62
88-15-9001	2565772	593883	5-63	5 305	12,294	5.04	620	33	10,810	5.35	578	1-70	39	527	.01	27	36
88-15-9001	2582422	567370	6-64	3 305	12,883	4.89	630	20	10,553	5.28	557	5-69	42	474	-.06	18	27
88-15-9001	2582423	567370	6-64	3 305	14,377	4.86	699	26	10,303	5.39	555	3-69	42	671	-.08	26	39
88-15-9001	2626717	563813	3-65	3 302	14,450	4.97	718	29	10,637	5.17	550	7-69	42	568	.01	29	39
88-15-9001	2626725	563813	6-65	3 305	13,840	5.08	703	33	11,303	5.29	598	11-69	42	427	.01	22	29
88-15-9001	2626735	563813	9-65	3 305	14,210	5.60	796	33	11,303	5.29	598	11-69	42	470	.10	33	40
88-15-9001	2728462	584532	6-67	1 305	16,610	5.00	830	34	12,480	5.25	655	11-69	29	561	-.04	24	34
88-16-9004	2489403	567370	3-62	3 305	18,167	3.88	705	55	10,397	5.05	525	8-69	42	1,098	-.26	29	53
88-16-9004	2515168	583175	5-63	3 305	15,373	4.64	714	58	10,490	5.09	534	12-69	34	807	-.09	32	48
88-16-9004	2537219	584532	8-60	4 305	15,555	4.47	695	59	10,945	5.02	549	5-69	38	816	-.13	28	44
88-16-9004	2540194	583175	10-63	3 305	16,327	4.56	745	66	10,520	5.12	539	9-69	34	928	-.11	36	54
88-16-9004	2679650	584532	1-66	2 305	14,250	5.09	725	33	10,905	5.08	554	2-69	34	572	-.01	28	38
88-16-9004	2708207	584532	11-66	1 305	18,640	5.02	936	36	10,710	5.14	551	1-69	29	862	-.03	40	56
91-10-0005	2359959	556095	10-59	4 305	12,650	4.78	605	19	9,665	5.58	539	10-68	43	545	-.13	15	27
91-10-0005	2645702	577237	11-65	2 291	12,885	5.39	694	11	11,330	5.41	613	4-70	39	320	.08	23	27
91-10-0005	2762430	582400	11-67	1 305	13,330	4.97	663	23	9,750	5.67	553	9-69	34	626	-.13	19	32
91-10-5022	2480534	587417	8-61	6 305	12,480	5.35	668	11	9,640	5.43	523	3-70	37	612	.00	31	42
91-10-5022	2578406	587417	5-61	4 305	13,080	5.18	677	17	9,367	5.53	518	4-69	36	718	-.04	32	45
91-10-5022	2649853	582400	9-64	4 305	12,413	5.06	628	18	10,198	5.38	549	3-70	42	602	-.11	20	32
91-10-5022	2745791	577237	6-67	1 305	12,940	5.63	728	19	10,290	5.34	549	1-70	35	355	.11	28	32
91-10-5022	2745797	562967	5-67	1 305	12,410	5.51	684	15	8,780	5.58	490	8-69	32	304	.09	23	27
91-12-0011	2348593	544287	1-60	4 305	13,065	5.16	674	10	10,615	5.13	545	3-69	43	440	.02	24	31
91-12-0011	2525936	556095	5-63	4 305	13,365	4.88	652	10	10,870	5.07	551	10-69	43	499	-.06	19	29
91-12-0011	2525938	556095	8-63	4 305	14,390	5.21	750	8	10,848	5.20	564	5-69	43	629	-.02	30	41
91-12-0011	2556556	556095	2-64	3 305	13,313	4.95	659	10	10,897	5.15	561	6-69	42	473	-.06	18	27
91-12-0011	2655405	556095	11-65	2 305	14,990	5.02	752	12	11,130	5.16	574	4-69	40	590	-.05	25	36
91-12-0011	2699413	556095	11-66	2 304	14,625	5.03	736	8	11,295	5.18	585	12-69	40	537	-.04	23	33
91-12-0024	2600349	582400	1-65	2 305	14,055	4.75	667	30	10,940	5.06	554	4-69	38	669	-.12	22	36
91-12-0024	2600351	582400	2-65	3 305	14,733	5.19	765	29	11,500	5.07	583	2-70	41	725	-.04	32	45
91-12-0032	2638212	595944	4-65	3 305	11,113	5.82	647	7	9,450	5.21	492	12-69	35	356	.14	31	35
91-12-0042	2505395	502114	9-62	3 305	14,623	4.49	657	37	9,823	5.10	501	6-69	41	755	-.15	23	39
91-12-0042	2578293	584664	8-64	4 301	13,278	4.72	627	32	10,923	4.89	534	2-70	42	445	-.02	20	28
91-12-0042	2578297	584664	8-64	3 305	13,113	4.75	623	45	9,483	4.99	473	9-69	41	557	-.03	25	35
91-12-0042	2612091	558172	4-65	3 301	12,300	4.63	570	49	9,703	5.02	487	9-69	41	497	-.08	17	27
91-12-0042	2661736	584664	8-65	2 300	11,160	5.75	642	37	9,405	4.93	464	10-69	39	317	.11	26	30
91-12-0042	2661738	584664	9-65	2 300	12,025	5.80	698	31	10,245	4.89	501	5-69	39	328	.13	28	32
91-12-0042	2661745	584664	8-65	3 299	14,730	4.54	669	37	11,010	4.91	541	2-70	41	585	-.07	23	34
91-12-0042	2699598	556095	8-66	1 305	12,110	5.52	669	39	9,450	5.06	478	10-68	35	389	.01	20	27
91-12-0042	2707626	556095	8-66	2 305	14,905	4.72	703	26	11,650	4.95	577	3-70	40	533	-.07	20	30
91-12-0042	2732869	584458	8-67	1 305	15,770	5.00	788	28	12,030	4.80	578	3-70	35	616	-.04	27	38
91-12-0042	2732874	584458	7-67	1 305	15,800	5.09	804	31	11,960	4.77	571	2-70	35	623	-.02	29	40
91-12-0042	2732875	584458	7-67	1 305	15,310	4.36	668	38	10,840	4.93	534	11-69	35	662	-.13	21	35
91-28-0050	2594408	584664	9-62	5 303	11,780	5.98	704	10	10,242	5.06	518	1-70	43	341	.16	32	35
91-28-0050	2663316	602477	2-64	1 305	15,510	4.64	719	11	9,270	5.33	494	10-68	25	690	-.13	22	36
91-38-0039	2510484	587666	9-62	6 298	10,927	5.71	624	23	8,875	5.14	456	11-69	43	313	.08	23	27
91-54-0028	2552531	598346	8-63	2 305	16												

TABLE 4. JERSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK			FAT (%) (LB)			..HERDMATE AVERAGES.. NO. MILK (LB)			FAT (%) (LB)			LAST T CALVD C MO-YR DC O W REPT MILK (%) (LB)	I N D E X..... FAT (LB) FAT (LB) DOL- LARS		
91-62-5067	2622602	560800	9-63	3	305	11,813	5.16	609	11	8,413	5.60	471	3-69	42	645	-.06	27	\$ 39		
91-64-0023	2311614	544287	4-58	6	297	11,080	5.62	623	10	8,873	5.41	480	1-70	44	400	.06	26	32		
91-64-5025	2515043	497574	9-62	5	305	13,194	5.59	737	23	9,574	5.51	528	11-69	44	805	.03	43	57		
91-64-5025	2515045	497574	12-62	5	305	11,070	5.28	584	20	9,604	5.55	533	7-69	44	524	-.05	22	32		
91-64-5025	2560497	556095	12-63	4	305	12,265	5.86	719	21	10,110	5.41	547	8-69	43	447	.06	28	35		
91-64-5025	2565199	497574	1-64	1	305	14,680	4.32	634	27	9,840	5.29	521	10-69	35	743	-.12	26	41		
91-64-5073	2106680	544287	4-55	10	303	12,952	5.10	661	18	10,381	5.30	550	7-69	44	467	.00	23	31		
91-64-5073	2464929	584970	9-61	6	305	13,353	5.11	682	14	10,890	5.10	555	3-70	36	419	.00	21	28		
91-64-5073	2520766	582400	1-63	5	305	12,718	4.40	559	32	10,440	5.17	540	8-69	43	623	-.19	13	27		
91-64-5073	2621394	599948	4-65	3	305	14,326	4.92	705	30	10,690	5.11	546	10-69	29	545	-.03	24	34		
91-64-5073	2621398	563813	6-65	3	305	13,293	5.65	751	23	11,423	5.09	581	2-70	42	351	.14	30	34		
91-64-5073	2655266	606782	3-65	3	305	13,260	4.91	651	29	10,380	5.15	535	10-69	31	512	-.04	22	32		
91-64-5073	2655271	606782	7-65	3	305	13,063	4.72	617	29	10,390	5.15	535	10-69	31	484	-.08	17	27		
91-64-5073	2655279	606782	11-65	2	305	12,915	5.38	695	22	10,975	5.07	556	5-69	28	359	.05	23	28		
91-64-5073	2655281	606782	3-66	2	305	12,920	5.57	720	33	10,685	5.12	547	8-69	28	392	.08	27	33		
91-66-0102	2693230	599784	4-64	3	305	12,846	5.22	671	8	10,126	5.06	512	8-69	32	441	.05	27	34		
91-68-0011	2584521	577237	10-64	3	305	12,233	5.49	672	6	10,977	5.29	581	1-69	41	300	.11	25	29		
91-68-5032	2543886	590194	9-63	4	244	13,370	5.33	713	8	9,332	5.53	516	10-69 B	33	681	.03	37	48		
91-68-5032	2637131	590194	7-65	3	240	11,910	5.45	649	10	9,730	5.42	527	8-69 B	32	398	.07	26	32		
91-70-0042	2405720	558172	9-60	1	305	13,830	5.37	742	30	11,410	5.14	587	12-68	35	407	.00	20	27		
91-70-0042	2621856	556095	4-65	1	305	14,720	5.39	793	24	11,440	5.22	597	3-69	35	451	-.01	22	30		
91-70-0042	2674772	556095	2-66	2	305	15,105	4.75	718	26	12,030	5.10	613	2-70	40	519	-.09	18	28		
91-72-5010	2655260	563805	10-63	1	305	14,170	5.19	736	57	11,340	4.93	559	1-69	34	526	.05	31	39		
91-72-5010	2669188	556095	11-62	4	305	12,580	5.39	678	43	10,795	5.05	545	2-70	43	410	.03	23	30		
91-72-5010	2669211	584664	9-65	3	302	12,943	5.25	679	45	10,947	4.92	539	3-70	41	383	.05	24	30		
91-72-5010	2684146	556095	3-66	1	305	14,320	5.04	722	42	11,340	4.84	549	5-69	35	428	-.02	20	28		
91-72-5010	2740878	556095	8-66	2	305	13,625	4.78	651	43	10,940	4.90	536	2-70	40	468	-.05	19	28		
91-74-0070	2685546	601624	12-66	2	305	13,625	4.76	649	7	10,200	4.93	503	3-69	29	459	-.02	21	29		
91-74-0078	2402042	544287	6-60	5	305	10,930	5.85	639	11	9,290	5.63	523	9-69	44	332	.07	23	28		
91-74-0078	2664720	597956	8-65	3	305	12,626	5.83	736	12	10,763	5.62	605	2-70	32	358	.07	24	29		
91-74-0078	2732122	597956	9-67	1	305	12,340	5.94	733	13	9,450	5.99	566	11-69	23	354	.05	22	27		
91-74-0146	2543103	592825	9-63	3	303	13,600	4.85	659	16	9,307	5.16	480	7-69	29	619	-.05	26	38		
91-74-0146	2601059	556095	7-65	3	295	13,980	4.38	612	33	9,943	5.15	512	11-69	42	650	-.15	18	32		
91-74-0146	2629047	595574	10-65	3	305	14,350	4.84	694	10	10,483	5.11	536	3-70	32	536	-.04	23	33		
91-74-0149	2471906	556095	9-60	3	304	12,417	5.37	667	22	10,410	5.18	539	10-69	42	419	.00	21	28		
91-74-0149	2564985	556095	5-64	2	305	16,045	4.89	785	29	10,500	5.32	559	10-69	40	755	-.08	30	44		
91-74-0149	2564987	584664	6-64	2	305	13,805	5.02	693	39	11,435	5.12	586	11-69	39	401	.00	20	27		
91-74-0149	2624342	556095	9-65	2	305	12,840	5.62	721	22	10,865	5.23	568	12-69	40	395	.03	23	29		
91-74-0149	2624344	556095	8-65	2	305	13,515	5.12	692	30	10,685	5.33	570	7-69	40	480	-.04	20	29		
91-74-0149	2634700	584664	11-65	1	305	14,760	5.49	811	47	11,610	5.11	593	6-69	35	400	.06	26	32		
91-74-0149	2678511	582400	10-66	2	294	13,905	4.55	633	19	11,345	5.11	580	3-70	38	615	-.16	16	29		
91-74-0149	2678518	556095	9-66	2	305	13,765	5.39	742	18	10,830	5.17	560	12-69	40	492	.01	26	34		
91-74-0149	2711708	582400	11-66	2	300	13,840	5.00	692	32	11,520	5.12	590	12-69	38	592	-.09	21	33		
91-74-0188	2637718	561701	7-63	2	305	12,415	6.07	753	7	11,095	5.15	571	9-69	38	464	.07	30	37		
91-74-0188	2668305	567370	10-63	3	303	16,723	4.59	767	5	10,350	5.24	542	11-69	42	936	-.12	35	53		
91-74-0188	2746507	555540	12-67	1	305	17,440	4.64	810	7	11,590	5.06	586	2-70	25	539	-.06	21	31		
91-74-5003	2387417	549126	8-60	4	300	13,833	5.00	691	17	10,233	5.21	533	12-69	42	556	.00	28	38		
91-74-5003	2404084	556095	1-61	4	305	12,125	5.24	635	14	10,038	5.31	533	11-69	43	438	-.03	19	27		
91-74-5003	2442025	549126	5-61	5	303	13,262	4.92	652	18	10,204	5.13	523	2-70	43	504	.00	25	34		
91-74-5003	2457461	567370	1-62	4	305	12,755	5.03	641	28	10,115	5.11	517	4-69	44	524	-.02	24	34		
91-74-5003	2481708	571291	7-62	3	305	14,423	4.83	697	17	10,483	5.16	541	1-69	42	595	-.01	29	40		
91-74-5068	2632309	556095	4-63	3	300	12,027	4.97	598	10	9,200	4.93	454	6-69	42	501	-.03	22	31		
91-74-5068	2688910	556095	11-64	3	305	12,583	4.84	609	7	9,930	4.75	472	9-69	42	489	-.03	22	31		
92-02-5027	2676216	557569	9-66	2	305	11,135	4.93	549	6	9,490	5.17	491	12-69	36	535	-.08	19	30		
92-02-5027	2701852	557569	2-67	1	305	10,440	5.09	531	5	9,350	4.94	462	4-69	31	468	-.06	18	27		
92-03-5094	2439923	555157	2-61	5	303	12,690	5.18	657	9	10,216	5.26	537	11-68	38	454	.06	28	35		
92-03-5094	2439926	586421	3-61	5	282	12,522	5.14	644	9	10,764	5.08	547	3-70 B	37	393	.00	20	27		
92-03-5094	2441989	555157	7-61	4	305	13,250	5.85	775	12	11,257	5.14	579	3-69	37	388	.20	38	42		
92-06-0059	2437874	576854	4-60	1	305	15,140														

TABLE 4. JERSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..OOL- LARS
92-16-0022	2342980	577237	8-59	6 302	13,565	5.01	679	6 11,365	5.06	575	4-69	43	446	.06	28	\$ 35
92-16-0022	2458970	582400	2-62	2 305	14,480	5.05	731	9 10,940	5.25	574	8-69	38	714	-.09	27	41
92-16-0022	2539323	582400	12-63	2 305	13,785	4.95	682	8 10,835	5.29	573	7-69	38	651	-.11	22	35
92-16-0022	2539326	556095	1-64	3 305	15,323	4.86	744	6 11,360	5.12	582	4-69	42	658	-.07	26	39
92-16-0022	2588274	582400	10-64	3 298	13,690	4.36	597	8 10,613	5.31	564	9-69	41	696	-.22	14	30
92-16-0022	2702516	584664	9-66	2 305	12,975	5.43	705	8 11,055	5.04	557	11-69	39	351	.07	24	29
92-16-0022	2702517	582400	11-66	2 299	13,520	5.10	690	10 11,005	5.32	585	1-70	38	607	-.09	22	34
92-16-0124	2523327	567370	1-63	5 305	13,606	5.28	719	23 11,330	5.59	633	2-70	44	505	-.05	21	31
92-18-0047	2691146	558172	7-64	3 305	14,413	4.88	703	15 10,987	5.12	562	5-69	41	609	-.07	24	36
92-18-0047	2691157	558172	1-63	3 305	13,890	4.38	609	9 9,537	4.98	475	7-69	41	701	-.14	22	36
92-18-0047	2691162	577237	7-64	3 305	12,363	5.87	726	10 10,720	4.85	520	4-69	41	342	.23	38	40
92-18-0047	2722817	558172	2-62	3 305	12,560	4.79	601	10 10,350	4.84	501	12-69	41	459	-.04	19	28
92-18-5094	2486098	558172	10-61	4 305	13,530	5.17	699	19 11,165	5.22	583	11-69	42	506	-.02	23	32
92-18-5094	2549541	577237	12-63	3 304	12,667	5.45	690	17 10,600	5.40	572	12-69	41	391	.09	28	33
92-18-5094	2691284	562967	10-66	1 305	15,200	4.82	733	17 10,980	5.22	573	2-70	32	368	.03	21	27
92-18-5094	2695553	535058	3-65	2 305	14,270	5.10	728	19 10,980	5.28	580	8-69	38	470	.02	25	33
92-18-5094	2736077	557569	10-67	1 305	13,500	4.88	659	17 10,990	5.30	582	12-69	31	595	-.10	20	32
92-18-5094	2761403	582400	3-68	1 305	14,290	4.61	659	15 10,640	5.29	563	3-70	34	639	-.15	18	32
92-20-0012	2241734	574138	12-57	5 305	12,308	5.13	631	46 9,910	5.28	523	7-69	36	432	.00	22	29
92-20-0012	2608487	574138	5-63	3 305	12,680	5.23	663	40 10,433	5.07	529	4-69	34	384	.06	25	31
92-20-0012	2609009	604808	12-62	3 305	13,403	5.10	683	58 10,496	5.14	539	8-69	32	502	.00	25	34
92-20-0012	2611901	556095	1-65	2 303	12,590	4.77	600	66 9,310	5.21	485	8-69	40	512	-.08	18	28
92-20-0019	2255942	514575	6-56	6 302	12,210	5.16	630	20 9,545	5.05	482	3-69	43	401	.04	24	30
92-20-0019	2678643	588877	4-66	2 305	13,770	4.69	646	14 9,705	5.06	491	6-69	29	558	-.06	22	33
92-20-0026	2624091	541866	5-61	2 305	11,005	5.36	590	27 7,650	5.49	420	9-69	40	363	.04	22	28
92-20-0041	2452874	577237	11-61	6 299	13,170	5.76	759	72 10,990	5.29	581	2-70	43	438	.16	37	42
92-20-0041	2452875	577237	11-61	5 299	12,438	5.39	670	69 10,834	5.33	577	1-69	43	360	.09	26	31
92-20-0041	2491621	582400	7-62	4 300	11,783	5.09	600	47 10,238	5.42	555	8-69	42	518	-.11	16	27
92-20-0041	2491635	581607	9-62	5 304	14,930	4.85	724	74 10,884	5.37	584	12-68	43	683	-.14	21	35
92-20-0041	2532650	560800	5-63	5 304	12,676	4.99	632	55 10,682	5.38	575	11-69	44	528	-.08	19	29
92-20-0041	2532656	560800	8-63	4 305	16,630	4.31	717	65 11,468	5.29	607	3-70	43	923	-.21	26	46
92-20-0041	2570331	582400	8-64	4 305	13,625	4.93	672	66 11,385	5.32	606	1-70	42	620	-.13	19	32
92-20-0041	2688653	582400	6-66	2 305	13,145	4.72	621	46 10,040	5.37	539	7-69	38	659	-.15	19	33
92-20-0041	2710145	582400	4-67	1 305	11,720	5.55	650	44 10,400	5.33	554	7-69	34	457	-.05	18	27
92-20-0041	2728678	582400	8-67	1 305	14,380	5.24	753	49 10,790	5.37	579	9-69	34	635	-.08	24	36
92-20-0041	2728690	582400	10-67	1 305	14,660	5.19	761	59 11,330	5.35	606	10-69	34	619	-.08	23	35
92-20-0041	2728694	582400	10-67	1 305	13,960	5.43	758	59 11,330	5.35	606	10-69	34	565	-.06	23	34
92-20-0041	2728695	582400	10-67	1 305	14,820	5.03	746	70 11,580	5.35	619	11-69	34	614	-.10	21	33
92-20-0041	2728701	582400	11-67	1 305	14,310	4.73	677	70 11,580	5.35	619	11-69	34	575	-.14	16	28
92-22-0047	2289257	544612	12-56	4 305	12,313	5.53	681	27 8,318	5.19	432	11-69	34	622	.07	38	48
92-22-0047	2762157	595333	12-67	1 298	11,380	4.96	565	18 7,420	5.00	371	1-70	8 23	399	.00	20	27
92-22-5055	2479466	560800	4-62	4 305	13,340	4.99	666	15 10,203	5.31	542	6-69	43	655	-.07	26	39
92-22-5055	2490418	556095	3-62	3 305	14,143	4.47	632	27 9,850	4.99	492	3-70	42	679	-.13	22	36
92-23-0049	2611011	582400	2-60	4 302	13,370	5.30	708	13 11,338	5.08	576	1-70	42	593	-.03	27	38
92-23-0049	2723873	577237	8-67	1 305	12,570	5.04	633	6 10,110	5.14	520	9-69	35	340	.07	23	28
92-23-5002	2623199	592609	1-65	2 305	13,930	4.26	593	14 10,495	5.36	563	4-69	29	677	-.23	12	28
92-23-5002	2623206	592609	5-65	3 303	13,633	4.69	639	16 10,610	5.20	552	5-69	32	668	-.14	20	34
92-23-5002	2658060	592609	2-66	2 305	13,910	5.40	751	19 10,495	5.16	542	5-69	29	675	.00	34	46
92-23-5002	2658063	592609	4-66	2 304	13,225	5.14	680	10 10,410	5.22	543	6-69	29	601	-.05	25	36
92-23-5002	2676421	592609	5-66	1 305	13,880	5.16	716	26 10,340	5.35	553	1-69	23	596	-.07	23	35
92-23-5008	2537186	580670	9-63	4 304	11,530	5.07	584	15 8,527	5.46	466	4-69	35	475	-.03	21	30
92-23-5150	2522961	577237	1-63	1 303	15,870	4.45	706	34 10,610	5.00	530	11-69	35	508	.00	28	38
92-23-5150	2560638	577237	2-64	2 305	12,015	5.29	636	17 9,635	5.43	523	3-69	39	388	.07	26	32
92-23-5150	2560639	577237	3-64	1 305	15,260	5.79	883	30 11,180	4.96	555	1-70	35	472	.18	40	45
92-23-5150	2562084	577237	4-64	2 305	13,010	5.04	656	20 10,505	5.17	543	2-70	39	410	.06	26	32
92-23-5150	2601717	577237	2-65	2 297	12,255	5.22	640	17 9,635	5.43	523	3-69	39	412	.06	26	32
92-23-5150	2601725	561701	4-65	2 301	11,945	5.08	607	24 9,915	5.38	533	3-69	38	526	-.09	18	29
92-23-5150	2658149	577237	4-66	2 284	11,885	5.32	632	17 9,635	5.43	523	3-69	39	374	.07	25	30
92-23-5150	2706424	577237	2-67	1 305	13,630	5.90	804	21 11,030	5.04	556	2-70	35	357	.18	34	37
92-27-0072	2558200	577237	11-63	2 305	12,210	5.29	646	32 10,275	5.07	521	10-69	39	348	.10	27	31
92-27-0072	2575973	556095	6-64	3 305	13,023	4.90	638	28 10,450	5.00	522	3-70	42	486	-.05	20	29
92-27-0108	2596892	574835	7-63	2 305	13,885	5.19	720	15 9,930	5.12	508	3-70	31	531	.05	31	40
92-28-0077	2446312	579878	9-61	3 305	13,643	4.99	681	11 11,260	4.85	546	12-68	31	412	.06	26	32
92-28-0077	2551767	572649	3-64	4 305	13,910	4.73	658	5 10,848	4.88	529	5-69	36	517	-.05	21	31
92-28-0077	2752474	560800	10-66	2 299	13,395	5.05	676	18 11,505	4.94	568	11-69	40	482	-.01	23	32
92-28-0077	2752475	560800	10-66	2 305	13,265	5.39	715	16 10,180	5.11	520	10-69	40	590	.02	31	41
92-28-0077	2752476	560800	10-66	2 299	12,560	5.17	649	15 10,580	5.12	542	11-69	40	482	-.01	23	32
92-28-0077	2763896	560800	1-67	1 305	15,000	5.78	867	16 11,080	5.00	554	11-68	35	593	.07	36	45
92-40-5006	2199994	524581	2-57	6 304	14,628	5.71	835	23 11,596	5.51	639	3-69	43	513	.08	33	41
92-40-5006	2437376	577237	1-61	6 297	15,843	5.28	837	24 11,470	5.54	635	3-69	43	733	.05	41	53
92-40-5006	2523332	567370	2-63	4 295	15,930	5.51	878	21 11,778	5.59	658	5-69	44	731	.00	37	50
92-40-5006	2566879	567370	2-64	4 300	14,568	5.46	796	25 11,433	5.61	641	2-69	44	601	-.01	29	40
93-12-0002																

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES... FAT (%)	FAT (L8)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	OOL- LARS	
93-12-9010	2619792	563805	11-65	2 305	14,440	5.10	736	21	12,065	5.30	640	2-70	38	552	.00	28	\$ 38
93-12-9061	2288966	548910	3-58	6 305	17,240	5.70	982	23	11,573	5.68	657	3-70	32	942	.08	55	70
93-12-9061	2437314	579581	2-61	5 302	14,116	5.67	800	28	12,030	5.71	687	3-69	36	375	.02	21	27
93-12-9061	2486258	560770	2-62	5 299	14,388	5.77	830	25	11,986	5.71	684	4-69	36	469	.05	28	35
93-21-0059	2263132	553684	10-57	4 305	11,627	4.20	488	36	7,585	5.08	385	9-68	35	654	-.19	15	29
93-27-0071	2480692	583915	4-62	2 305	13,515	4.82	651	78	10,550	5.07	535	2-69	31	561	-.06	22	33
93-27-0071	2603784	603424	3-65	3 305	13,450	5.00	673	83	10,587	5.12	542	12-68	30	451	-.03	20	28
93-27-0071	2619532	557569	7-65	3 305	12,500	5.44	680	79	10,493	5.14	539	12-69	38	606	.00	30	41
93-27-0071	2746157	560800	7-67	1 305	12,200	5.61	684	95	11,030	5.24	578	2-70	35	385	.01	20	27
93-34-9154	2237543	541785	5-56	1 305	16,360	4.92	805	31	9,390	4.97	467	3-69	23	770	-.04	35	49
93-34-9154	2462660	541785	10-55	2 305	12,630	4.31	544	42	8,700	5.10	444	7-69	29	598	-.15	16	29
93-34-9154	2676873	567370	3-64	2 305	12,205	4.60	562	45	8,980	5.13	461	10-69	40	521	-.09	18	28
93-39-0028	2661816	561701	8-62	2 305	11,835	5.03	595	26	9,960	5.44	542	3-69	38	510	-.10	16	27
93-39-0028	2692485	605782	5-65	3 305	12,083	5.28	638	14	9,033	5.47	494	8-69	32	465	.02	25	33
93-39-0028	2692487	605782	8-65	3 305	12,350	5.31	656	16	9,980	5.35	534	4-70	32	385	.03	22	28
93-39-0028	2735543	584908	9-66	1 305	15,310	4.87	746	24	9,670	5.40	522	5-69	27	624	.01	32	43
93-39-0356	2555282	592087	1-64	2 304	12,720	4.76	605	6	9,610	4.88	469	5-69	29	425	-.02	19	27
93-39-7358	2801494	577237	4-67	1 305	14,820	4.47	663	6	10,540	4.59	484	3-70	35	482	.04	28	36
93-40-0050	2507376	557569	11-62	6 304	12,011	5.33	640	7	10,050	5.18	521	1-70	41	611	-.03	28	35
93-40-0050	2564105	557569	10-63	4 298	12,357	4.56	563	6	9,980	5.14	513	4-69	40	656	-.15	19	33
93-40-0050	2564110	595873	6-64	4 305	13,585	4.59	623	7	9,768	5.21	509	1-70	32	653	-.10	23	36
93-40-0050	2646565	557569	9-65	2 305	14,665	4.80	704	9	10,130	5.19	526	4-69	36	855	-.11	32	49
93-40-0050	2699759	557569	5-66	2 305	11,665	5.12	597	6	9,505	5.46	519	10-69	36	591	-.09	21	33
93-49-0335	2545394	560800	7-63	2 305	11,375	4.58	521	20	8,660	5.14	445	8-69	40	537	-.08	19	30
93-49-0335	2548612	567370	1-64	2 305	11,815	5.17	611	20	8,780	5.09	447	8-69	40	500	-.01	24	33
93-49-0335	2607427	564125	7-65	2 305	14,265	4.79	684	10	8,910	5.17	461	5-69	40	617	-.04	27	38
93-50-0194	2623360	522990	2-58	2 302	12,955	5.21	675	24	11,405	5.02	573	2-70	38	342	.05	22	27
93-50-0264	2524852	560558	5-63	2 303	15,575	4.24	661	52	11,055	4.74	524	10-69	34	726	-.15	22	37
93-50-0596	2241135	433506	2-54	4 305	15,640	4.67	730	20	11,243	5.03	565	12-68	33	807	-.10	31	47
93-50-0596	2498564	575184	11-62	2 305	15,225	4.86	740	18	9,875	5.06	500	9-69	40	642	-.06	26	38
93-50-0596	2551905	557569	7-63	2 305	14,015	4.90	687	24	11,970	4.82	577	4-70	36	605	-.06	25	36
93-50-0596	2552153	524581	12-56	4 305	12,672	5.41	685	28	10,745	5.03	541	5-69	42	343	.07	24	29
93-50-0596	2590381	557569	8-64	1 305	14,620	4.79	700	15	11,610	5.11	593	12-68	31	640	-.10	23	36
93-50-0625	2553153	543757	11-57	5 305	16,552	4.59	760	25	11,842	4.81	570	4-69	36	786	-.07	33	48
93-50-0625	2562737	560558	5-63	5 294	15,078	4.39	662	27	11,146	4.85	541	8-69	39	771	-.15	24	40
93-50-0625	2582980	571291	10-64	3 305	15,043	4.33	651	27	12,113	4.75	575	5-69	42	497	-.05	20	29
93-50-0625	2586520	557569	1-65	2 304	14,110	4.16	587	30	12,070	4.74	572	2-69	36	606	-.16	15	28
93-50-0625	2586522	557569	1-65	3 303	14,556	4.38	638	28	11,283	4.75	536	6-69	38	772	-.14	25	41
93-50-0625	2586523	557569	1-65	4 305	14,262	4.80	684	27	11,897	4.82	573	3-70	40	680	-.06	28	41
93-50-0625	2586524	557569	2-65	3 305	14,386	4.05	583	29	11,730	4.80	563	4-70	38	702	-.21	15	31
93-50-0625	2593718	557569	3-65	3 305	13,710	4.67	640	29	11,026	4.87	537	11-69	38	697	-.10	25	39
93-50-0625	2660864	557569	9-65	3 303	12,723	4.73	602	30	11,710	4.85	568	12-69	38	499	-.09	17	27
93-50-0625	2660867	602090	9-65	3 305	15,893	4.38	696	34	11,776	4.83	569	1-70	29	629	-.12	20	33
93-50-0625	2660868	557569	5-65	3 305	15,073	4.63	698	26	10,956	4.86	533	8-69	38	873	-.11	33	50
93-50-0625	2660870	602090	5-65	3 303	14,360	4.49	645	29	11,146	4.84	540	9-69	29	491	-.08	17	27
93-50-0625	2660880	557569	11-65	3 305	15,093	3.94	595	31	11,700	4.83	565	1-70	38	792	-.25	16	34
93-50-0625	2683878	557569	3-66	2 305	14,150	4.35	615	24	11,740	4.79	562	6-69	36	642	-.14	19	32
93-50-0625	2683884	557569	7-66	2 300	12,005	4.85	582	27	10,995	4.97	546	10-69	36	482	-.08	17	27
93-50-0625	2683890	557569	9-66	2 305	13,790	4.70	648	32	11,095	4.92	546	12-69	36	666	-.10	24	37
93-50-0625	2683891	557569	9-66	2 305	14,650	4.29	628	25	10,845	4.99	541	9-69	36	784	-.18	22	39
93-50-0746	2571676	571581	7-64	2 305	12,200	5.31	648	31	9,025	4.95	447	10-68	33	401	.11	30	35
93-50-0758	2595232	557569	1-64	2 305	12,425	4.93	613	8	9,140	5.08	464	7-69	36	709	-.08	28	42
93-50-0758	2595233	557569	7-64	2 296	12,565	4.70	591	10	10,160	5.22	530	12-69	36	624	-.13	19	32
93-50-0758	2612674	557569	7-63	1 305	12,380	4.75	588	9	10,620	4.92	522	4-69	31	532	-.08	19	30
93-50-0758	2695315	557569	6-66	2 305	11,635	5.20	605	8	9,120	5.09	464	8-69	36	625	-.05	27	39
93-50-0758	2746182	557569	5-67	1 305	11,000	5.51	606	5	8,920	5.48	489	10-69	31	544	-.04	23	33
93-50-0758	2746183	557569	6-67	1 285	10,810	5.16	558	6	9,440	5.46	515	11-69	31	491	-.08	17	27
93-50-9419	2262328	557569	11-57	7 303	12,318	5.13	632	32	10,192	5.12	522	1-70	41	636	-.05	27	39
93-50-9419	2269613	557569	1-58	6 305	11,863	5.23	621	28	10,170	5.06	515	4-69	41	576	-.03	26	37
93-50-9419	2288725	557569	3-58	6 305	13,208	4.60	607	27	10,033	5.13	515	12-69	41	779	-.16	24	40
93-50-9419	2288728	557569	7-58	4 301	12,387	4.85	601	33	9,610	5.07	487	8-69	40	704	-.09	27	41
93-50-9419	2406839	557569	2-60	6 304	12,078	4.96	599	29	10,113	5.10	516	4-69	41	613	-.08	23	35
93-50-9419	2406840	557569	2-60	6 304	12,960	4.85	628	30	10,051	5.15	518	3-69	41	742	-.11	27	42
93-50-9419	2406843	557569	8-60	7 303	11,675	5.15	601	32	10,024	5.12	513	12-69	41	568	-.05	24	35
93-50-9419	2471939	557569	8-61	6 304	13,456	4.62	621	31	9,893	5.10	505	11-69	41	830	-.14	28	45
93-50-9419	2503174	557569	7-62	4 305	16,730	4.47	747	30	10,157	5.18	526	11-68	40	1,210	-.19	41	65
93-50-9419	2512031	557569	1-63	5 305	11,868	4.58	544	24	10,114	5.04	510	6-69	41	584	-.14	16	28
93-50-9419	2517279	557569	4-63	5 304	14,600	4.84	707	37	10,056	5.08	511	2-70	41	968	-.10	39	57
93-50-9419	2528769	557569	9-63	4 305	13,052	4.51	589	30	10,145	5.04	511	9-69	40	728	-.15	22	37
93-50-9419	2530158	557569	8-61	6 304	12,425	4.95	615	26	10,085	5.12	516	9-69	41	664	-.08	26	39
93-50-9419	2595365	557569	2-65	3 305	14,12												

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION...		COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.					..HERDMATE AVERAGES..				LAST CALVD MO-YR	T C D	.....C REPT D (%)	O W MILK (LB)	I N D E X.....		
	COW NUMBER	SIRE NUMBER		RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	NO.	MILK (LB)	FAT (%)	FAT (LB)					FAT (%)	FAT (LB)	DOL- LARS
93-54-0029	2634806	600222	10-65	3	301	11,093	5.27	585	107	8,283	5.01	415	9-69	32		331	.07	23	\$ 28

TABLE 5. BROWN SWISS USDA-OMIA HIGH RANKING COWS.

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	DOL- LARS
11-15-0012	433957	125640	2-62	6 302	14,093	4.62	651	12 11,816	4.02	475	12-69	43	714	.12	44	\$ 55
11-15-0012	494812	126555	10-65	3 298	19,987	3.71	742	18 17,227	3.94	678	11-69	41	829	-.09	22	40
12-11-0140	473248	126555	10-64	4 305	22,148	3.47	769	23 16,400	3.90	640	11-69	42	1,215	-.14	30	56
12-11-0140	494808	126555	11-65	3 303	22,167	3.45	765	18 16,107	3.89	626	12-69	41	1,202	-.13	31	57
12-11-0140	500315	138750	4-66	2 222	19,515	3.57	696	5 14,560	3.94	574	3-70	8 38	892	-.11	21	41
12-14-0155	517184	125640	3-67	1 176	14,360	3.92	563	10 12,440	4.04	503	3-70	8 34	629	.03	29	40
12-14-0155	517185	125640	3-67	1 166	13,930	3.96	551	6 12,400	3.89	482	4-70	8 34	599	.04	29	40
12-14-0155	521314	146947	10-67	1 165	16,780	4.05	679	7 12,290	3.87	476	4-70	8 28	656	.01	28	40
13-04-0115	425953	127317	8-61	4 302	18,785	3.76	706	61 14,375	3.97	571	3-70		672	-.05	20	34
13-04-0115	458610	118619	12-63	4 303	16,143	3.92	633	63 14,353	4.01	575	1-70	43	707	-.04	23	37
13-04-0115	464686	118619	1-64	3 305	17,090	4.53	775	62 13,443	4.08	548	4-69	42	907	.04	42	58
13-04-0115	464695	139158	3-64	3 305	16,920	4.10	694	74 12,683	4.19	532	10-68	33	791	-.02	29	45
13-04-0115	473424	142382	9-64	4 298	17,487	4.10	717	76 13,537	4.09	554	10-69	33	728	.01	31	45
13-04-0115	473429	138750	10-64	4 299	17,570	3.80	667	63 14,290	4.03	576	1-70	42	773	-.09	19	36
13-04-0115	475662	138750	8-64	4 297	19,862	3.40	676	43 14,745	3.97	586	2-70	42	1,012	-.16	19	42
13-04-0115	486054	139158	8-65	3 302	19,646	3.87	761	71 14,290	4.00	572	12-69	33	961	-.04	33	52
13-04-0115	488033	128860	10-65	3 301	17,346	4.20	729	67 14,503	3.99	578	11-69	34	522	.03	25	34
13-04-0115	491955	144186	11-65	3 300	18,253	3.87	706	67 14,496	3.97	575	1-70	33	770	-.04	26	42
13-04-0115	496267	144186	2-66	2 295	17,955	4.54	815	45 14,420	3.98	574	6-69	30	695	.07	37	49
13-04-0115	501932	144186	6-66	2 305	19,335	3.52	681	39 14,350	3.97	570	5-69	30	867	-.10	22	41
13-04-0115	501933	144186	7-66	2 305	19,080	4.01	765	60 14,125	3.91	552	1-70	30	861	.00	34	51
13-04-0115	505353	145170	10-66	2 305	21,190	3.70	783	65 14,675	3.89	571	11-69	29	1,003	-.05	34	54
13-04-0115	505358	145170	9-66	2 305	17,620	4.04	711	64 14,470	3.88	562	1-70	29	598	.02	26	37
13-04-0115	505366	146121	10-66	2 305	20,500	4.06	832	72 14,515	3.93	571	11-69	25	787	.02	34	49
13-04-0115	507121	144186	12-66	1 305	21,390	3.49	747	53 14,630	3.90	570	6-69	24	891	-.08	25	44
13-04-0115	514819	131528	4-67	1 305	22,950	3.77	866	44 15,220	3.84	585	5-69	35	736	.00	29	43
13-04-0115	525263	138750	1-68	1 296	22,860	3.36	769	67 15,830	3.77	597	1-70	34	943	-.12	22	43
13-04-0186	464685	118619	1-64	4 280	19,115	3.72	711	26 13,695	3.96	542	2-70	8 43	1,151	-.07	37	61
13-04-0225	488090	125640	10-65	2 223	14,550	3.61	525	6 12,210	3.82	466	3-70	38	693	.00	28	41
13-08-0053	429273	125640	10-61	6 304	15,980	3.82	611	16 13,970	3.97	555	4-69	43	707	.00	29	42
13-08-0053	432109	136910	8-61	6 303	19,376	3.69	715	12 13,816	4.07	562	11-69	37	872	-.08	25	43
13-08-0053	523640	125640	12-67	1 305	17,020	3.87	658	12 14,870	3.99	593	2-70	34	665	.03	30	42
16-06-0031	409561	125640	8-60	7 305	18,027	4.18	754	27 12,778	4.09	523	6-69	43	1,122	.05	52	72
16-06-0031	425497	125640	7-61	4 305	15,020	4.20	631	19 12,470	4.07	507	3-70	42	751	.05	37	50
16-06-0031	431115	125640	11-61	6 301	15,398	4.31	664	27 13,056	4.05	529	10-69	43	739	.07	39	52
16-06-0031	495095	125640	1-66	2 305	13,600	4.59	624	25 12,280	4.07	500	7-69	38	588	.09	35	44
16-06-0105	407458	128350	3-60	3 305	14,470	4.74	686	12 10,883	4.18	455	1-69	29	493	.10	33	40
16-06-0105	458885	120448	1-63	5 301	15,016	3.86	579	12 10,342	4.19	433	1-70	43	924	-.06	29	48
16-06-0138	436714	125640	12-61	5 305	13,180	3.86	509	5 10,772	4.08	439	1-69	43	717	.00	29	43
16-06-0154	491792	125640	9-65	2 293	13,390	4.17	558	6 11,665	4.06	474	10-68	38	623	.05	31	42
16-06-0154	504803	125640	4-66	2 301	15,785	3.83	604	8 11,080	3.97	440	5-69	H 38	929	.01	39	56
16-06-0154	512383	125640	12-66	2 303	15,830	4.10	649	6 12,940	4.04	523	2-70	38	758	.04	36	50
16-06-0236	383527	69864	11-58	8 305	21,336	4.10	874	13 15,092	4.19	632	11-69	37	943	.01	39	57
16-06-0236	495694	118619	12-65	3 305	21,323	3.95	843	16 16,527	4.17	690	4-70	42	1,077	-.06	35	57
16-06-0236	495695	125640	12-65	2 305	19,795	4.25	841	22 16,605	4.02	668	9-69	38	828	.07	42	56
16-06-0236	495698	125640	1-66	3 304	17,860	4.52	807	20 16,436	4.14	681	2-70	41	651	.10	39	49
16-06-0236	515644	125640	12-66	2 305	18,030	4.07	733	16 16,615	4.09	680	4-70	38	643	.03	30	42
16-06-0236	521337	125640	7-67	1 305	22,280	4.46	993	24 16,580	4.12	683	12-69	34	952	.09	50	66
16-06-0389	378902	120448	7-58	1 305	17,300	4.26	737	7 14,250	3.91	557	2-69	35	633	.00	26	38
16-06-0389	473247	126555	8-64	4 304	20,455	3.82	782	19 16,340	3.86	631	10-69	42	1,008	-.06	33	54
16-06-0389	521162	125640	1-68	1 305	15,730	3.90	613	8 13,260	3.78	501	1-70	34	678	.04	33	45
16-10-0091	387096	130713	5-59	6 305	17,545	4.27	750	10 14,093	4.22	595	3-69	36	687	.05	34	46
16-10-0091	476936	130713	2-60	3 305	19,323	4.42	854	9 14,053	4.17	586	8-69	33	878	.09	47	62
16-10-0091	495667	125640	1-66	2 305	19,565	4.52	884	16 14,120	4.31	608	11-69	38	1,038	.08	52	70
16-10-0091	501474	130713	8-63	4 298	19,750	4.22	834	15 14,430	4.27	616	12-69	35	941	.03	42	59
16-10-0091	506521	125640	1-66	2 305	17,570	4.28	752	13 14,645	4.22	618	4-69	38	780	.05	38	52
16-14-0109	356931	120448	8-57	6 289	15,323	4.62	708	6 13,760	4.14	570	3-69	43	560	.05	29	39
16-14-0109	419296	125640	4-61	6 301	15,486	4.35	673	5 13,316	4.08	543	12-68	43	720	.08	39	51
16-14-0109	431443	125640	12-60	6 304	15,611	4.54	709	5 14,193	4.04	574	1-69	43	631	.11	40	50
16-14-0109	476483	130713	8-64	4 305	17,225	3.84	662	9 14,157	4.09	579	3-70	35	614	-.02	22	34
16-14-0109	489593	125640	2-65	3 304	16,683	3.81	635	9 12,970	4.20	545	8-69	41	881	-.02	33	50
16-14-0109	514174	125640	10-66	1 304	17,220	4.30	740	8 14,260	4.03	575	10-69	34	723	.07	38	50
16-14-0109	531496	125640	9-66	1 299	17,120	4.25	728	8 13,190	4.05	534	7-69	34	789	.06	39	53
16-14-0109	544807	125640	12-66	1 305	16,740	4.38	733	8 13,190	4.05	534	7-69	34	760	.07	40	53
16-14-0109	544813	138750	8-67	1 305	19,480	3.90	760	12 14,420	4.13	596	10-69	34	780	-.08	21	38
21-04-0441	522603	125640	4-67	1 305	14,930	3.84	574	10 12,370	3.88	480	1-70	34	678	.03	31	43
21-04-0452	371648	120448	7-58	6 280	18,045	3.95	712	13 13,552	4.15	562	9-69	43	943	-.05	31	50
21-05-0764	479212	136140	1-65	3 305	17,790	4.02	715	12 13,710	4.30	590	4-70	41	880	-.14	17	37
21-08-0700	523268	125640	2-68	1 305	13,170	4.09	539	17 10,970	3.90	428	11-69	34	639	.05	32	43
21-08-0700	523270	144186	12-67	1 305	13,830	4.03	557	16 9,980	3.81	380	1-70	24	590	-.01	23	34
21-13-0156	381158	120448	3-59	7 302	15,864	3.99	633	13 13,470	4.03	543	8-69	43	666	-.03	23	36
21-13-0156	514696	126555	12-66	2 300	16,310	3.91	637	12 14,635	3.98	582	2-70	39	663	-.05	20	34
21-13-0156	514698	144692	2-67	2 301	16,125	4.										

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HEROMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST T CALVO C MO-YR D	.....C O W MILK (LBS)	I N O E X..... FAT (%)	FAT (LBS)	DOL- LARS			
21-21-0422	510134	126555	3-65	2 305	13,495	3.86	521	13	10,700	3.97	425	6-69	39	739	-.06	22	\$ 37
21-23-0263	514818	125640	6-67	1 305	15,200	4.08	620	5	12,780	4.12	527	9-69	34	670	-.04	32	44
21-24-0966	466319	118619	12-63	4 294	14,773	3.97	587	23	10,775	4.04	435	12-69	43	937	-.04	33	52
21-24-0966	495607	138750	12-65	2 282	16,050	3.81	612	22	10,380	4.10	426	10-69	38	923	-.08	26	46
21-26-0186	439522	118619	8-62	4 305	14,923	3.76	561	9	12,790	3.96	507	11-69	43	730	-.06	22	37
21-26-0186	445249	118619	9-62	3 303	16,830	3.74	630	7	12,630	3.98	503	5-69	42	962	-.07	30	50
21-26-0186	455604	118619	6-63	5 303	15,542	3.86	600	14	12,696	3.90	495	2-70	44	828	-.04	28	45
21-26-0186	517293	125640	5-67	1 305	15,930	3.98	634	6	13,030	4.04	526	10-69	34	709	-.04	33	46
21-26-0186	518279	138750	9-67	1 305	17,270	3.89	671	7	13,070	3.93	514	2-70	34	703	-.06	20	35
21-26-0222	494309	138750	11-65	2 305	17,380	3.34	581	16	11,290	4.02	454	1-70	38	976	-.15	20	42
21-26-0222	514457	125640	3-67	1 305	13,750	4.19	576	6	12,340	3.91	483	3-70	34	589	.06	31	41
21-26-0320	507771	125640	12-66	1 305	16,170	4.27	690	8	12,500	3.88	485	9-69	34	764	.07	40	53
21-26-0320	513271	125640	3-67	1 305	17,840	3.93	701	14	13,950	3.81	531	12-69	34	792	.05	38	52
21-26-0320	518034	125640	7-67	1 305	16,860	3.70	624	8	12,500	3.88	485	9-69	34	817	.02	35	50
21-26-0320	542333	125640	7-67	1 305	15,650	3.52	551	12	13,930	3.82	532	11-69	34	625	.01	26	38
21-26-0512	513401	118619	3-66	1 305	13,880	4.11	570	10	10,690	3.87	414	9-69	35	745	-.01	28	43
21-28-0007	471259	126555	8-64	4 305	16,548	4.60	761	13	14,408	4.21	607	11-69	42	735	.03	33	46
21-28-0007	477060	126555	9-64	4 305	18,943	3.89	737	15	14,160	4.22	598	12-69	42	1,065	-.09	31	53
21-28-0007	489051	126555	10-65	2 305	16,245	4.34	705	12	14,885	4.23	629	11-68	39	633	-.02	23	36
21-29-0852	513855	125640	3-67	1 305	14,460	4.32	624	13	12,990	4.12	535	9-69	34	599	.05	31	41
21-30-0183	501054	145834	1-66	1 113	21,370	4.01	858	8	14,440	4.12	595	12-68	8 19	680	-.01	26	39
21-30-0231	502178	131528	2-66	2 305	16,240	4.11	667	11	10,275	4.11	422	1-70	40	710	.02	31	44
21-30-0303	434223	118296	6-57	5 275	18,650	4.30	802	11	14,164	4.09	579	11-69	8 32	742	.06	37	50
21-30-0960	451759	120448	4-63	4 304	16,163	4.13	667	9	12,403	4.14	514	7-69	42	816	-.02	30	46
21-30-0960	463539	138750	12-63	4 296	16,760	3.97	665	8	13,512	4.21	569	9-69	42	759	-.08	20	36
21-30-0960	468434	138750	4-64	3 305	16,430	3.80	624	9	12,953	4.02	521	6-69	41	758	-.09	19	35
21-30-0960	473249	126555	11-64	4 305	18,723	3.64	681	22	16,848	3.87	652	12-69	42	733	-.09	18	34
21-30-0960	475165	138750	8-64	4 305	16,935	4.04	684	9	14,615	3.99	583	3-70	42	655	-.04	21	34
21-31-0007	472683	127112	1-63	4 305	18,302	3.49	639	15	13,117	3.83	502	4-69	35	860	-.08	24	42
21-31-0661	462879	120448	10-63	4 305	17,760	3.90	693	24	15,208	4.06	618	12-69	42	699	-.05	22	36
21-31-0661	505669	144712	8-66	2 305	20,010	3.97	795	19	15,775	3.97	627	12-69	25	581	.00	23	34
21-32-0076	471993	125472	11-63	3 303	23,253	3.78	878	28	18,573	3.78	702	1-69	8 42	797	-.04	27	43
21-32-0076	494806	126555	12-65	2 176	20,500	3.76	770	8	16,960	4.04	685	9-69	8 39	880	-.09	24	43
21-32-0076	494813	126555	10-65	2 295	22,785	3.57	813	22	18,640	3.77	702	1-69	8 39	960	-.09	27	47
21-32-0076	494814	126555	3-66	2 203	20,940	3.55	744	10	18,315	3.90	714	7-69	8 39	800	-.10	19	37
21-32-0240	492890	126555	1-66	1 295	16,590	3.80	630	5	12,950	3.98	515	1-70	35	779	-.06	23	39
21-33-0669	487386	118619	8-65	2 305	18,650	3.90	727	18	15,005	4.19	629	9-68	40	884	-.06	27	45
21-33-0669	488696	126555	11-65	2 305	18,400	3.95	727	21	13,255	3.96	525	6-69	39	1,008	-.05	34	54
21-33-0669	511240	118619	1-67	1 305	15,920	3.66	582	25	13,320	3.96	527	6-69	35	720	-.06	21	36
21-39-0118	455288	138750	3-63	1 305	21,110	3.93	829	27	16,450	3.96	652	1-70	34	765	-.06	23	39
21-39-0118	457142	138750	7-63	5 266	18,768	3.94	740	25	14,952	4.03	602	3-70	8 43	868	-.06	27	45
21-39-0118	474670	138750	7-64	2 305	18,705	3.78	715	20	15,145	4.01	607	6-69	38	773	-.09	20	37
21-39-0118	483120	138750	3-64	4 275	16,277	4.15	676	13	13,222	4.11	543	11-69	42	731	-.04	24	39
21-39-0118	486422	118619	4-65	3 304	19,093	3.74	715	32	14,673	4.13	606	9-69	42	1,011	-.09	29	50
21-39-0118	492346	102954	11-65	2 304	17,635	4.05	714	35	14,415	3.96	571	5-69	39	568	.02	25	35
21-39-0118	505763	138750	7-66	2 305	17,725	4.48	794	23	16,040	4.00	641	1-70	38	565	.02	25	35
21-39-0118	514063	125640	1-67	1 305	18,910	4.41	834	24	16,670	3.99	665	2-70	34	686	.09	39	50
21-39-0229	393184	120448	9-59	7 299	18,653	4.37	816	17	14,837	4.20	623	12-69	8 43	871	.02	37	53
21-39-0229	480017	120448	1-65	4 274	20,503	4.48	918	12	15,193	4.25	646	3-70	8 42	1,046	.04	47	66
21-39-0229	518493	146947	6-67	1 305	21,950	3.80	835	7	14,210	4.17	593	6-69	28	947	-.05	32	51
21-42-0004	476284	125472	12-64	3 305	20,533	3.62	743	20	13,477	4.19	565	11-69	42	1,014	-.12	25	47
21-42-0004	497533	138750	3-66	2 300	20,320	3.92	796	22	13,025	4.12	536	8-69	38	1,120	-.07	35	58
21-42-0004	503276	126555	11-64	3 222	15,947	3.76	599	17	13,047	4.08	532	7-69	8 41	796	-.08	21	38
21-42-0214	492752	118619	3-65	3 299	14,287	4.10	586	13	12,760	4.05	517	3-70	42	652	-.02	24	37
21-42-0348	390087	122428	9-58	3 305	17,390	4.15	722	17	13,893	4.17	579	6-69	34	607	-.01	23	35
21-42-0348	438777	107915	12-61	5 305	18,520	4.22	781	9	14,220	4.23	601	6-69	44	624	.05	31	42
21-52-0628	496824	118619	1-66	2 305	13,945	4.27	596	11	11,950	4.10	490	11-69	40	685	.00	27	40
21-53-0900	409797	107915	11-60	3 305	19,780	3.73	737	20	14,807	4.25	629	12-68	42	648	-.04	21	34
21-53-0900	409799	93771	7-60	8 305	18,741	4.16	780	18	13,719	4.27	586	4-70	43	711	.03	32	45
21-53-0900	483312	118619	1-65	3 305	16,163	4.20	679	16	13,343	4.22	563	7-69	42	810	-.02	30	46
21-53-0900	483315	140025	9-64	4 305	18,867	4.16	785	19	14,707	4.17	613	1-70	35	676	.01	28	41
21-53-0900	524435	147075	11-67	1 305	20,550	3.88	797	18	13,990	4.19	586	1-70	19	640	-.04	21	34
21-55-0456	486130	136140	3-65	3 273	14,320	4.10	587	14	10,750	4.14	445	7-69	41	785	-.11	17	34
21-55-0456	504028	138750	7-64	3 292	14,823	3.93	583	22	10,886	4.06	442	3-69	41	788	-.07	23	40
21-55-0456	524384	125640	1-68	1 305	13,500	4.01	542	13	11,340	4.03	457	4-70	34	639	.04	31	42
21-55-0874	478885	120448	8-64	3 305	16,780	4.01	673	10	14,650	4.06	595	1-70	41	624	-.03	21	34
21-55-0874	492170	138750	11-65	3 302	17,786	3.78	672	10	14,550	4.11	598	11-69	41	748	-.10	17	34
21-56-0129	396449	120448	12-59	4 305	17,383	4.60	800	12	15,253	4.00	610	4-69	42	646	.08	36	47
21-56-0129	449763	138251	8-62	6 305	18,713	3.98	744	13	14,963	4.04	604	4-70	36	757	.00	30	45
21-56-0129	449769	138251	2-63	5 305	17,518	4.05	710	12	14,776	3.97	586	1-70	36	606	.02	27	38
21-56-0129	480328	138251	1-65	3 305	16,633	4.12	686	11	14,340	3							

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	MILK (L8)	FAT (%)	FAT (L8)	HERDMATE NO. MILK (L8)	AVERAGES... FAT (%)	FAT (L8)	LAST CALV C MO-YR	T REPT (%)	COW MILK (L8)	I N O E X FAT (%)	FAT (L8)	DOL- LARS		
22-26-0131	488160	144692	10-65	2	305	26,650	4.36	1161	21	16,460	4.30	707	1-69	29	1,579	.06	71	\$100
22-26-0131	497347	144692	5-66	3	272	20,203	4.20	848	13	16,123	4.27	689	12-69	32	903	.01	37	54
22-26-0131	500333	144692	6-66	2	302	21,815	4.22	920	16	18,115	4.28	776	5-69	29	824	.01	34	50
22-26-0131	511523	144692	11-66	1	305	19,920	3.86	769	7	15,350	4.16	638	10-68	24	776	-.02	28	43
22-26-0131	511526	144692	1-67	1	305	23,470	4.04	949	22	17,250	4.30	741	1-69	24	941	-.01	36	54
22-26-0131	511527	144692	2-67	1	305	21,320	4.65	991	22	18,390	4.42	813	5-69	24	656	.06	34	45
22-26-0131	521242	144692	8-67	1	305	21,320	3.98	848	22	18,390	4.42	813	5-69	24	656	-.04	21	34
22-29-0008	406279	107915	8-60	6	305	19,155	3.58	686	10	14,148	3.97	562	1-69	44	716	-.04	23	38
22-29-0054	466289	126555	4-64	3	305	15,447	4.05	625	19	12,700	4.06	516	1-69	41	774	-.04	26	42
22-36-0049	506419	131528	9-65	2	299	17,320	3.71	642	11	11,270	3.86	435	4-69	40	729	-.02	27	41
23-07-0031	381569	124753	11-58	3	305	20,397	4.20	856	8	15,317	4.17	639	3-69	34	820	.02	35	50
23-07-0031	397567	70410	12-59	7	302	17,038	4.34	739	8	14,720	4.14	610	5-69	42	438	.08	28	35
23-08-0512	451167	139526	5-63	3	305	17,587	4.41	776	7	14,243	4.09	583	10-69	31	586	.08	34	43
23-14-0187	437829	118619	6-62	6	301	19,455	3.94	767	13	12,712	4.37	555	11-69	44	1,337	-.08	43	70
23-14-0187	440675	118619	7-62	5	302	14,156	4.15	587	12	12,640	4.39	555	4-70	44	654	-.05	20	34
23-14-0187	440677	118619	9-62	5	305	15,512	4.59	712	10	13,130	4.39	576	2-70	44	773	.02	34	48
23-14-0187	471551	118619	6-64	3	305	14,710	4.32	635	8	12,580	4.38	551	3-69	42	720	-.02	26	40
23-14-0187	490742	124652	11-65	2	305	18,250	4.45	812	6	12,860	4.41	567	8-69	40	516	.03	25	34
23-15-0654	479554	142426	11-64	4	280	16,210	4.30	697	7	13,820	3.99	551	3-70	35	498	.09	31	39
23-15-0654	487693	142426	6-65	2	291	16,830	4.62	778	6	13,375	4.01	536	4-69	30	561	.13	39	47
23-15-0654	487695	142426	6-65	3	298	16,643	4.32	719	12	13,373	4.20	561	11-69	32	587	.07	32	42
23-20-0072	501103	126555	2-66	1	305	14,880	4.15	618	6	12,490	4.09	511	11-69	35	680	-.04	22	36
23-31-0224	460742	125472	1-63	2	305	18,005	4.25	765	20	12,705	4.30	546	9-69	40	728	-.02	27	41
23-31-0224	498571	126555	7-65	1	305	17,840	3.85	686	14	13,330	4.32	576	12-69	35	849	-.08	23	41
23-31-0224	526917	125640	5-67	1	305	16,130	4.75	766	20	12,350	4.37	540	7-69	34	771	.09	42	55
23-36-0841	473245	126555	11-64	4	305	19,878	4.00	796	20	16,488	3.90	643	4-70	42	919	-.03	33	51
23-36-0882	494811	126555	10-65	3	305	22,100	3.42	756	20	16,773	3.88	650	12-69	41	1,123	-.14	27	52
23-36-0882	513939	125640	3-67	1	305	20,730	3.56	737	13	14,800	3.91	579	1-70	34	956	-.01	37	56
23-36-0882	519323	125640	9-67	1	305	19,430	3.94	766	13	14,800	3.91	579	1-70	34	856	.04	39	55
23-39-0019	520841	125640	8-67	1	305	17,500	4.13	723	13	13,640	4.15	566	11-69	34	788	.04	37	51
23-54-0003	505329	136140	6-66	1	305	19,400	3.49	678	11	11,840	3.85	456	10-68	35	1,002	-.17	18	41
23-54-0003	505330	136140	6-66	1	305	20,180	3.59	725	10	14,190	3.86	548	3-69	35	900	-.16	15	36
23-54-0003	521784	136140	6-67	1	305	17,610	3.59	632	12	12,020	3.74	449	11-69	35	853	-.15	15	35
23-54-0102	504709	118619	8-66	2	305	21,705	4.16	903	9	14,235	4.25	605	10-69	40	1,266	-.03	47	72
23-55-0087	523909	148588	4-67	1	305	17,330	4.02	696	13	10,560	3.93	415	5-69	19	628	.01	26	38
23-55-0087	530831	149639	3-67	1	305	18,450	3.42	631	23	10,620	4.03	428	11-69	19	729	-.08	19	35
23-56-0107	478605	140809	11-63	4	305	16,098	4.33	697	6	12,565	4.32	543	3-70	34	552	.03	26	36
23-59-0159	519596	125640	11-67	1	300	16,790	4.29	721	11	14,290	4.07	582	1-70	34	688	.06	36	48
23-59-0394	399154	132119	11-59	2	305	17,655	3.83	677	5	10,885	4.15	452	2-69	28	637	-.04	21	34
23-63-0081	417733	101409	10-60	6	305	16,995	4.48	761	15	13,765	4.02	554	1-70	44	465	.12	34	40
23-63-0081	501614	137867	4-64	3	305	20,086	3.85	774	18	13,480	3.96	534	4-69	33	978	-.02	36	55
23-65-0045	443872	136140	7-62	5	305	18,190	3.88	705	9	13,864	4.27	592	4-69	43	962	-.16	17	39
31-06-0033	400795	101409	12-59	6	303	17,337	4.05	703	13	13,715	4.10	562	6-69	44	516	.03	25	34
31-06-0275	492184	102954	7-65	3	297	15,447	4.18	646	33	12,380	4.24	525	12-69	41	564	.00	23	34
31-06-9475	432412	133534	11-61	5	305	17,432	3.75	654	8	13,532	3.89	527	3-69	35	725	-.06	22	37
31-06-9475	452530	133534	1-63	5	305	17,378	3.92	681	7	13,516	3.86	522	12-69	35	719	-.02	26	40
31-14-9027	379052	128917	3-59	5	305	20,884	4.42	923	23	12,126	4.31	523	1-69	36	1,341	.07	63	87
31-15-0091	466436	118619	1-64	2	300	18,400	4.36	803	11	12,080	4.21	509	12-69	40	1,127	.01	46	67
31-15-9874	452104	139273	1-63	5	294	18,034	4.22	761	9	14,062	4.46	627	6-69	36	888	-.04	31	49
31-15-9874	454081	139273	3-63	5	305	18,154	4.20	762	13	15,042	4.39	660	2-70	36	774	-.03	27	42
31-15-9874	458204	139273	7-63	5	305	20,948	4.07	853	12	14,822	4.42	655	4-70	36	1,222	-.06	41	66
31-15-9874	467879	139273	1-64	4	305	20,987	4.48	941	12	15,012	4.44	667	3-69	35	1,169	.03	51	73
31-15-9874	468457	139273	1-64	4	305	19,255	4.06	781	12	14,742	4.46	658	6-69	35	955	-.07	29	49
31-15-9874	493546	139273	10-65	2	305	17,175	4.63	795	14	15,635	4.34	678	2-69	30	513	.04	26	35
31-15-9874	505469	136140	8-66	2	305	18,485	4.25	785	11	14,935	4.38	654	11-69	39	796	-.12	16	34
31-19-0072	473870	142675	7-64	4	305	14,297	4.20	600	10	12,625	3.97	501	2-70	34	501	.04	25	34
31-19-0072	475928	138503	10-63	3	305	21,970	3.37	740	12	13,417	3.96	531	3-70	29	1,236	-.14	31	58
31-19-0072	475931	141073	5-64	3	305	16,433	4.26	700	10	13,293	3.89	517	3-69	29	463	.07	27	34
31-19-0072	505476	141757	9-66	2	304	18,110	3.97	719	15	12,785	4.10	524	10-69	31	664	-.04	22	35
31-33-9175	410886	124045	9-60	4	305	18,757	4.01	752	24	13,282	4.13	549	2-70	36	867	-.01	33	50
31-33-9175	457779	135057	7-63	4	305	17,812	3.96	706	22	12,802	4.09	523	9-69	35	836	-.03	30	47
31-33-9175	457784	139202	9-63	3	305	14,890	4.90	729	24	13,073	4.02	526	4-69	32	422	.14	35	40
31-33-9175	461128	119793	11-63	3	305	17,120	4.02	689	17	12,103	4.20	508	11-68	33	654	-.02	24	37
31-33-9175	477494	133515	10-64	3	305	19,336	4.25	821	25	13,806	4.04	558	11-69	33	861	.08	45	60
31-33-9175	493245	133515	11-65	2	305	14,860	4.93	733	21	12,640	4.20	531	12-69	30	375	.14	33	37
31-33-9175	507273	135057	7-66	2	305	15,880	4.17	662	19	11,635	4.18	486	7-69	30	614	-.01	24	36
31-33-9175	516021	139202	1-67	1	305	19,730	4.33	855	26	11,010	4.12	454	7-69	23	962	.04	44	61
31-42-0094	456693	126555	7-63	3	305	17,753	4.14	735	9	14,843	4.16	618	8-69	41	818	-.04	28	44
31-42-0094	457439	125472	9-63	1	305	24,270	4.35	1056	12	15,050	4.12	620	10-68	35	912	.01	38	55
31-42-0																		

TABLE 5. BROWN SWISS USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N O E X FAT (%)	FAT (L8)	..... DOL- LARS		
31-49-9066	499939	143612	7-66	1 305	21,240	4.15	881	24	13,650	4.22	576	5-69	24	939	.00	38	\$ 56
31-49-9066	505398	143612	8-66	2 305	17,060	4.84	825	18	13,905	4.52	628	11-69	30	628	.07	34	45
31-49-9066	510820	143612	12-66	1 305	19,340	3.91	757	33	13,740	4.26	586	3-69	24	763	-.04	26	41
31-49-9066	510821	143612	1-67	2 305	20,370	4.13	842	31	14,300	4.37	625	2-70	30	980	-.02	37	56
31-49-9066	519272	143612	10-67	1 305	20,000	3.93	785	18	14,150	4.59	650	12-69	24	789	-.07	23	40
31-49-9066	522559	143612	2-68	1 305	19,400	4.15	805	22	14,780	4.40	650	3-70	24	685	-.02	25	39
31-49-9066	530209	143612	4-68	1 305	21,610	4.22	912	16	15,660	4.24	664	4-70	24	811	.00	33	48
31-52-9351	456545	120448	5-63	5 305	16,466	4.05	667	15	12,426	4.36	542	2-70	43	869	-.06	27	45
31-52-9351	492006	136140	12-65	2 305	18,450	3.97	732	15	12,245	4.30	526	4-69	39	1,043	-.15	22	45
31-54-9250	446618	132928	9-61	6 305	17,546	4.13	725	9	12,945	4.52	585	12-69	35	659	-.04	21	35
31-54-9755	418775	132685	1-61	6 305	18,095	4.02	728	9	12,903	4.14	534	3-69	36	851	-.01	33	49
31-54-9755	422193	132685	6-61	7 305	16,581	4.05	671	7	12,121	4.24	514	9-69	36	730	-.02	27	41
31-54-9760	429484	132700	9-61	7 301	17,271	3.90	674	15	13,614	4.09	557	3-70	35	719	-.05	22	37
31-54-9760	473879	138576	10-64	3 305	20,177	3.72	751	14	14,187	4.11	583	8-69	29	882	-.08	25	44
31-54-9760	488374	142675	5-65	2 305	17,120	4.13	707	10	14,205	4.05	576	2-69	29	640	.01	27	39
31-54-9760	491321	142675	11-65	3 296	17,680	3.99	705	15	13,993	4.06	568	12-69	32	780	-.01	30	45
31-54-9760	496430	142675	1-66	2 305	16,520	4.22	697	9	13,570	4.02	545	7-69	29	637	.03	30	41
31-54-9760	506340	142675	7-66	2 305	18,740	4.12	772	16	13,010	4.06	528	11-69	29	963	.01	40	58
31-54-9760	514529	142675	9-66	2 305	19,490	3.64	710	15	13,920	4.04	563	1-70	29	954	-.07	29	49
31-54-9760	514530	142675	10-66	2 289	19,670	3.97	780	15	13,425	4.04	543	12-69	29	1,029	-.01	40	60
31-56-0021	501617	137867	5-64	3 305	16,003	3.89	622	5	12,013	4.00	481	5-69	33	610	-.02	22	34
31-72-9032	360510	77319	7-57	7 305	17,004	4.31	733	5	12,114	4.46	540	3-69	43	793	-.01	31	46
31-72-9038	459237	131528	12-63	4 305	15,365	4.62	710	11	11,665	4.19	489	10-69	43	569	.09	34	43
31-72-9038	472122	109152	4-64	3 305	18,083	3.85	697	15	12,167	4.35	529	2-69	42	828	-.09	22	40
31-75-0490	459108	133884	7-63	5 305	17,352	3.85	668	32	14,498	4.06	588	1-70	37	666	-.04	21	35
31-75-0490	492836	144203	6-65	3 305	19,847	3.95	783	17	15,747	4.06	640	12-69	29	635	-.02	23	36
31-80-0035	456246	101409	12-61	3 305	17,427	4.27	745	6	11,057	4.40	486	1-69	42	753	.04	36	49
31-80-9069	488102	143612	7-65	2 305	21,050	4.51	950	16	12,725	4.05	515	3-69	30	1,230	.09	61	83
31-83-0360	443431	123323	10-62	5 296	14,898	4.03	601	14	11,712	4.33	507	10-69	43	755	-.08	20	36
31-83-0360	495619	123323	11-65	3 305	16,566	3.92	649	10	13,200	4.05	535	2-70	41	760	-.07	22	38
31-85-0108	443726	137395	7-62	3 294	15,650	4.19	656	10	12,393	4.09	507	1-69	36	558	.03	26	36
31-85-0108	447538	137395	12-62	5 305	17,048	3.78	644	5	12,886	4.03	519	4-69	38	740	-.04	25	40
31-85-0108	499648	137395	12-65	3 293	15,966	4.01	640	7	11,746	4.04	475	2-70	36	674	.01	28	41
31-85-0108	509864	137395	11-66	1 305	15,200	3.97	604	14	10,100	4.04	408	7-69	28	565	.01	24	35
31-85-0108	523022	137395	9-67	1 297	17,240	3.72	642	23	10,700	4.14	443	12-69	28	692	-.03	24	38
31-85-0108	523023	137395	9-67	1 287	15,370	4.36	670	19	10,530	4.17	439	1-70	28	547	.04	27	37
31-85-9063	407117	131160	3-60	7 305	16,635	4.01	667	15	13,470	4.16	560	10-69	35	628	-.02	23	35
32-02-0047	440351	118619	7-62	3 303	15,407	4.19	645	28	13,627	4.20	573	5-69	42	692	-.02	25	39
32-02-0047	501615	137867	4-64	4 302	20,555	4.06	835	20	14,237	4.01	571	1-70	35	1,010	.01	42	61
32-02-0901	463413	126555	1-64	4 305	15,508	3.73	578	9	13,063	4.16	544	8-69	42	757	-.10	17	34
32-02-0901	463414	126555	1-64	4 303	16,418	4.06	666	6	14,835	4.16	617	2-70	42	670	-.05	20	34
32-02-0901	465086	126555	3-64	4 300	16,128	3.95	637	6	13,928	4.20	585	11-69	42	737	-.07	20	36
32-02-9710	444660	133515	10-62	1 278	15,700	4.21	661	24	10,550	4.07	429	12-69	25	556	.06	30	39
32-02-9710	502592	124045	9-66	2 284	16,490	4.11	678	17	10,160	4.06	412	12-69	32	798	.02	34	49
32-30-0160	446102	109152	10-62	3 300	20,040	4.05	812	11	14,983	3.97	595	1-69	42	761	-.02	28	43
32-30-0160	490565	109152	11-65	2 305	20,350	4.08	831	13	14,620	4.04	590	4-69	40	753	-.02	27	42
32-30-0160	519800	134071	5-67	1 305	22,020	4.22	930	22	14,580	4.26	621	12-69	33	678	-.02	25	38
32-36-0820	462966	125472	1-64	4 305	18,888	3.40	642	9	14,728	3.60	530	7-69	43	722	-.09	18	34
32-36-0820	488311	125472	6-65	3 305	19,933	3.45	688	6	15,237	3.52	536	3-70	42	760	-.07	22	38
32-36-0820	495423	126555	1-66	2 305	25,940	3.09	801	6	14,430	3.67	530	5-69	39	1,679	-.18	42	78
32-36-0821	491514	126555	9-65	2 305	16,855	3.53	595	12	12,785	3.79	484	6-69	39	892	-.08	25	44
32-36-0821	491515	126555	10-65	2 305	15,455	3.77	583	13	13,295	3.72	494	5-69	39	700	-.05	22	36
32-36-9590	444220	132109	2-62	3 277	18,017	4.58	826	18	14,577	4.01	584	8-69	32	498	.11	34	41
32-36-9590	502349	141934	5-66	2 298	19,175	4.01	768	20	14,575	4.05	591	10-69	25	612	.00	24	36
32-43-9537	397666	126599	1-60	7 298	18,124	4.42	801	13	13,770	4.18	576	12-69	39	753	.07	39	52
32-44-9481	427290	115273	1-61	4 305	15,478	4.15	642	24	12,825	4.23	542	11-69	36	606	.00	24	36
32-44-9481	447991	115273	1-62	4 305	17,363	4.06	705	17	12,088	4.02	486	5-69	36	963	.01	40	58
32-44-9481	447992	115273	7-62	4 294	17,190	3.87	666	21	13,443	4.17	561	12-68	36	768	-.05	25	41
32-44-9481	474845	139286	3-64	4 305	19,397	3.84	745	19	13,117	4.08	535	3-70	33	984	-.05	33	53
32-44-9481	479906	118619	12-64	2 305	15,485	4.44	688	33	13,035	4.16	542	10-68	40	742	.01	31	45
32-44-9481	508394	141777	11-66	2 290	17,050	3.93	670	18	13,495	3.99	539	2-70	34	798	-.02	29	45
32-44-9481	511488	141777	9-66	2 305	18,895	4.36	824	8	13,080	4.22	552	11-69	34	1,045	.02	45	64
32-44-9904	341889	116729	6-56	4 305	15,028	4.14	622	6	12,450	4.06	505	1-70	41	781	-.03	28	44
32-50-9241	525565	148404	2-68	1 305	17,520	4.18	733	25	12,030	4.04	486	2-70	22	664	.03	30	42
32-57-0539	359265	119443	8-57	4 304	17,370	4.09	711	19	13,950	4.11	574	7-69	8 35	620	.00	25	37
32-57-0539	445863	107915	8-62	4 303	19,383	3.91	758	9	13,920	3.99	555	2-69	43	739	.02	32	46
32-68-0005	483768	139055	7-63	4 305	15,120	4.29	649	10	10,703	4.34	465	4-69	33	589	.01	25	36
32-68-9102	487467	142705	7-65	2 305	19,265	3.88	748	10	13,410	4.11	551	9-68	30	855	-.03	30	47
32-68-9243	440792	127948	5-62	4 305	17,188	3.92	673	6	13,643	4.21	575	11-68	35	833	-.03	29	46
32-68-9243	484425	142764	7-65	3 305	19,137	3.80	728	9	13,593	4.19	569	12-69	29	810	-.07	24	41
32-71-0539	450811	136140	11-62	4 305	15,857	4.22	669	5	12,432	4.25	528						

TABLE 5. BROWN SWISS USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE DAYS	PRODUCTION MILK (L8)	FAT (%)	FAT (L8)	HERDMATE NO.	AVERAGES MILK (L8)	FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C REPT	COW MILK (L8)	I N O E X FAT (%)	FAT (L8)	OOL- LARS
33-51-0540	505079	143835	6-66	2	305	16,630	3.84	638	7	12,020	4.05	487	10-69	34	677	-.01	26	\$ 39
33-78-0240	401589	114123	1-59	7	286	17,149	3.90	668	21	11,659	3.99	465	1-70	8	638	.00	26	38
33-86-0171	443868	136139	7-62	5	305	14,200	4.27	606	5	10,736	4.13	443	8-69	36	612	.03	28	39
33-86-0440	388511	122173	7-59	3	305	15,677	4.85	761	27	11,580	4.27	494	7-69	33	654	.13	43	53
33-86-0510	362853	116729	8-57	3	305	14,343	4.08	585	13	11,457	4.08	467	6-69	39	795	-.04	27	43
33-86-0682	484112	138452	11-64	3	305	18,473	4.08	754	7	13,163	4.28	563	11-69	42	719	-.08	19	34
33-86-0910	426010	102954	10-61	6	305	18,165	4.13	751	8	12,962	4.17	540	4-69	43	890	.01	37	54
33-86-0910	490433	138348	1-64	3	305	18,170	4.07	739	10	12,530	4.18	524	8-69	31	989	-.01	38	57
33-86-9442	428278	136139	8-61	7	303	16,554	4.03	667	12	12,857	4.35	559	12-69	36	678	-.04	22	36
33-86-9442	457665	136139	9-63	4	305	15,682	4.29	673	16	12,617	4.32	545	7-69	35	564	.01	24	35
33-86-9442	457666	136139	10-63	4	305	16,727	4.17	697	7	13,120	4.34	569	1-69	35	649	-.01	25	38
33-86-9442	490509	136139	8-65	3	305	18,303	4.00	733	12	13,120	4.43	581	1-70	33	826	-.05	27	44
33-87-0615	403406	102954	7-59	7	305	15,134	4.32	654	9	11,650	4.07	474	12-69	43	647	.05	32	43
33-95-0342	488824	140365	8-65	3	305	15,656	4.38	685	11	13,053	4.17	544	11-69	34	480	.05	26	34
33-95-0353	521248	102954	11-66	2	294	15,385	4.25	654	6	10,580	4.39	464	1-70	39	692	.01	29	42
33-96-0512	443529	131645	1-62	5	284	15,212	4.21	640	14	11,536	4.05	467	6-69	35	529	.06	29	38
33-96-0512	497193	131528	3-66	2	305	18,690	4.12	770	9	13,095	3.97	520	2-70	40	701	.03	32	45
33-96-0512	518734	131528	9-67	1	305	18,000	3.99	718	5	11,830	3.97	470	11-69	35	592	.01	25	36
33-96-0518	472370	136580	4-62	5	305	19,842	3.21	637	8	13,384	4.11	550	2-69	34	1,110	-.21	16	42
33-99-0716	387122	102954	2-57	8	305	16,061	4.03	648	18	12,044	3.93	473	10-68	43	722	.02	31	44
34-12-0073	477776	144498	9-64	2	305	15,815	3.76	594	20	10,570	4.03	426	12-69	25	643	-.04	21	34
34-12-0073	500058	131528	3-66	2	305	16,215	3.97	644	15	11,420	4.01	458	1-70	40	602	.01	25	36
34-13-0116	465764	141776	1-64	4	301	16,495	3.98	657	11	12,237	4.20	514	9-69	34	787	-.05	25	41
34-13-0116	486388	141776	3-65	3	302	16,253	4.33	703	8	13,700	4.09	561	4-70	32	539	.02	24	34
34-13-0116	495784	141776	11-65	2	305	15,985	4.13	660	9	12,565	4.11	517	6-69	29	594	-.01	22	34
34-13-0116	495785	141776	1-66	2	305	17,585	3.80	668	10	12,300	4.11	506	10-69	29	814	-.07	24	41
34-32-0004	484053	126555	6-65	3	304	18,633	3.87	722	13	12,510	4.02	503	10-69	41	1,167	-.07	38	62
34-32-0004	493963	118619	12-65	2	305	18,790	4.15	780	16	13,360	4.03	539	5-69	40	1,049	-.01	41	61
34-32-0004	524469	126555	5-67	1	305	15,300	4.22	645	12	13,800	3.93	543	12-69	35	622	-.02	22	34
34-33-0299	492316	102954	1-66	1	305	18,080	3.96	716	17	13,650	3.96	540	11-68	35	575	.01	24	35
34-33-0299	496781	136140	2-66	1	305	18,720	3.98	745	14	14,290	3.95	565	10-68	35	782	-.12	16	34
34-39-0107	474521	126555	4-64	2	305	14,400	4.21	606	6	11,630	4.38	509	2-69	39	746	-.05	23	38
34-39-0107	474524	126555	5-64	2	305	16,265	4.00	650	7	11,660	4.31	502	4-69	39	936	-.07	29	48
34-39-0107	484352	126555	6-65	1	301	15,690	4.12	646	9	11,050	4.45	492	8-69	35	841	-.06	26	43
34-41-0010	425371	118783	5-61	4	299	13,110	3.84	504	16	11,040	3.90	431	8-69	40	678	.00	27	40
34-78-0137	464387	126555	1-64	3	301	17,930	3.68	659	18	14,207	4.01	570	12-68	41	906	-.09	24	43
34-78-0137	473409	126555	8-64	3	305	17,760	3.51	623	8	13,687	3.93	538	5-69	41	941	-.11	23	44
35-09-0049	452158	109953	1-63	5	304	15,676	4.07	638	12	12,402	4.02	499	9-69	42	585	.00	24	35
35-12-0024	424525	107915	2-61	5	303	15,348	4.18	642	9	12,330	3.85	475	3-70	44	432	.08	28	34
35-22-0031	432235	107915	2-62	3	305	14,840	4.20	624	13	10,523	4.03	424	4-69	42	522	.06	29	38
35-22-0031	457158	107915	10-63	4	305	14,110	4.35	614	11	10,953	4.00	438	11-69	43	415	.09	28	34
35-22-0068	397044	126555	9-59	3	305	14,853	3.85	572	18	11,863	3.78	449	12-68	41	793	-.04	27	43
35-22-0068	415281	126555	10-60	4	305	15,343	3.72	571	19	12,143	3.77	458	10-69	42	840	-.06	26	43
35-22-0068	427423	126555	10-61	2	305	15,240	4.04	616	26	12,380	3.84	475	11-69	39	763	-.02	28	43
35-22-0068	441926	126555	7-62	4	305	17,398	3.47	604	19	12,630	3.86	487	1-70	42	1,044	-.11	27	50
35-23-0038	402409	132005	1-60	4	305	20,375	3.97	809	16	14,225	4.18	594	2-70	30	966	-.04	34	53
35-23-0038	482304	138150	3-65	3	303	16,026	4.19	671	25	13,123	4.18	549	8-69	35	536	.02	24	34
35-23-0056	426993	126555	10-61	4	305	16,110	3.64	586	15	13,560	4.09	554	9-69	42	776	-.11	17	34
35-23-0063	358519	87630	2-57	8	305	19,121	3.71	710	13	12,905	4.13	533	9-69	43	782	-.09	20	37
35-23-0063	387570	127196	11-58	3	303	15,243	4.43	676	16	13,610	4.29	584	12-68	32	444	.08	28	35
35-23-0063	520090	142766	2-67	1	305	19,310	4.18	808	17	13,150	4.46	586	5-69	19	594	-.01	22	34
35-23-0190	359915	116729	3-57	2	305	14,230	4.09	582	11	10,735	3.83	411	6-69	37	827	-.02	31	47
35-27-0012	349742	116729	10-56	2	305	18,625	3.95	735	33	14,990	4.02	603	1-69	37	888	-.06	28	46
35-27-0027	440063	135099	9-61	5	263	15,004	4.18	627	34	11,842	4.07	482	8-69	36	621	.01	26	38
35-28-0017	489389	124652	3-64	3	227	19,007	4.46	848	22	13,610	4.14	563	1-70	8	600	.07	33	43
35-28-0017	528945	144692	12-67	1	305	15,320	4.58	702	8	13,580	4.20	570	4-70	24	507	.06	28	36
35-33-0040	404229	124942	9-59	5	305	13,940	4.11	573	8	9,970	4.00	399	9-68	36	583	.01	25	36
35-33-0040	522141	118619	12-67	1	305	13,460	4.26	574	15	10,600	4.04	428	3-70	35	719	-.01	27	41
35-37-0033	425759	128156	1-60	6	305	15,497	3.99	618	10	11,655	4.02	469	11-69	34	645	.01	27	39
35-35-0067	359925	122814	3-57	3	305	18,403	4.28	788	16	11,367	3.92	446	2-69	29	991	.06	48	66
35-49-0368	481552	118619	1-65	2	205	15,265	4.02	613	5	11,880	4.08	485	4-70	8	826	-.03	29	46
35-54-0054	481452	118619	1-65	3	305	16,263	3.95	643	16	11,733	4.24	497	5-69	42	990	-.06	32	52
35-54-0072	370830	118619	12-57	4	262	19,490	4.19	816	10	12,498	3.99	499	10-68	8	1,331	.01	55	80
35-57-0009	440165	118142	8-61	6	305	15,320	4.45	682	16	12,411	3.93	488	11-69	41	395	.11	30	35
35-57-0009	482799	109152	8-64	3	305	16,127	4.10	662	20	11,493	3.94	453	12-69	42	671	-.01	26	39
35-57-0043	446862	107915	9-60	4	305	15,368	4.07	625	11	11,888	3.89	463	11-69	43	467	.06	26	34
35-57-0043	479439	109152	11-64	3	305	18,103	4.03	730	7	13,583	4.05	550	2-70	42	682	-.03	23	37
35-57-0043	497823	143480	11-65	3	305	19,143	3.66	701	15	13,140	3.93	517	2-70	29	869	-.06	27	45
35-57-0045	450798	139767	2-63	4	305	22,810	3.88	884	20	14,038	3.83	538	12-69	30	1,362	-.01	54	80
35-57																		

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS		
35-66-0004	445104	121212	5-62	5 305	20,026	3.88	778	11	14,774	4.03	595	8-69	36	904	-.04	31	\$ 49
35-66-0004	490839	118619	1-65	3 305	18,927	4.23	801	15	15,970	3.99	637	12-69	42	856	-.01	36	52
35-66-0004	490842	118619	3-65	3 305	17,060	4.09	697	14	15,733	4.04	636	11-69	42	663	-.02	24	37
35-66-0004	506028	149653	11-66	1 305	21,190	4.25	901	13	14,900	4.05	603	7-69	19	623	-.04	30	41
35-66-0004	520887	118619	3-67	1 305	22,480	4.37	983	10	18,370	4.08	749	11-69	35	872	-.01	36	53
35-66-0004	520888	118619	4-67	1 305	24,560	4.04	993	20	16,380	4.07	667	2-70	35	1,164	-.03	43	66
35-68-0052	408629	135041	9-60	3 305	18,493	4.37	809	15	13,223	4.18	553	4-69	29	766	-.06	38	51
35-68-0052	508939	147398	6-66	2 305	19,940	4.25	847	16	15,445	4.33	668	1-70	25	610	-.00	25	37
35-68-0154	406231	107915	4-60	6 305	20,412	4.50	918	17	15,582	3.99	622	2-69	44	711	-.14	47	57
35-68-0154	410582	124652	8-60	5 305	20,186	4.26	860	19	13,902	4.06	564	1-70	44	797	-.05	39	53
35-68-0154	437706	135479	8-61	4 305	17,758	4.52	803	17	13,213	4.15	548	10-69	33	768	-.09	42	55
35-68-0154	522652	110327	10-67	1 305	22,830	3.76	859	30	15,380	4.04	622	2-70	34	790	-.09	20	37
41-08-9004	487290	118619	6-62	1 302	14,950	4.19	626	12	13,470	4.14	557	3-70	35	637	-.03	22	35
41-08-9004	487291	118619	4-62	2 305	15,710	4.50	707	8	13,275	4.16	552	8-69	40	743	-.02	32	46
41-08-9004	502234	118619	10-64	3 305	15,047	3.88	584	6	13,480	4.08	550	8-69	42	665	-.05	20	34
41-08-9004	502236	118619	11-64	3 305	17,943	3.77	677	6	13,923	4.03	561	8-69	42	956	-.06	30	50
41-19-0003	429812	118619	8-61	4 300	14,845	3.66	543	8	11,273	4.11	463	11-68	43	890	-.08	25	44
41-19-0003	477748	118619	9-64	3 302	17,757	3.27	580	5	12,350	3.98	492	5-69	42	1,099	-.14	26	50
41-23-0025	434997	107915	8-61	2 297	16,840	4.22	711	9	12,845	4.02	517	3-70	40	454	-.07	27	34
41-25-0034	480083	118619	11-64	3 305	15,013	4.11	617	10	12,853	4.03	518	3-70	42	727	-.02	27	41
41-27-0029	481853	118619	3-65	3 305	15,193	3.71	564	13	11,730	3.88	455	5-69	42	866	-.06	27	45
41-28-0020	417540	107915	12-60	3 305	17,950	3.85	691	9	13,940	3.80	530	3-70	42	526	-.04	26	35
41-28-0046	444652	134882	2-62	2 302	15,775	3.61	569	6	11,045	3.96	437	3-70	32	785	-.06	24	40
41-28-9009	478361	118619	3-64	3 298	15,000	3.67	550	13	12,163	3.94	479	9-69	42	798	-.07	23	40
41-28-9026	442895	134882	12-60	4 305	19,570	3.81	745	7	12,170	4.05	493	12-68	36	1,274	-.05	44	70
41-28-9026	461826	134882	9-63	4 305	16,325	3.90	636	8	13,363	3.91	523	6-69	36	669	-.01	25	38
41-28-9026	470917	134882	10-63	4 305	19,118	4.44	848	9	12,890	4.08	526	11-69	36	1,120	-.07	54	74
41-41-0002	449812	139631	1-63	4 305	17,837	3.74	667	5	12,905	4.19	541	1-70	35	844	-.08	23	41
41-41-0002	498632	139631	7-65	3 305	18,920	3.75	709	5	12,600	4.19	528	1-70	33	980	-.08	29	50
41-42-9026	471696	107915	5-64	4 299	16,600	4.08	677	20	12,565	4.08	513	10-69	43	544	-.04	27	37
41-46-0020	421278	125273	2-61	5 305	17,766	4.19	744	13	11,918	4.02	479	11-68	36	870	-.06	43	58
41-46-0025	439335	114408	4-62	5 305	15,984	3.99	638	11	11,356	4.02	457	8-69	42	819	-.02	35	50
41-46-0075	492521	126555	9-65	2 305	20,590	3.64	750	9	14,750	3.78	558	1-69	39	1,096	-.08	34	57
41-46-0075	502027	126555	4-66	1 305	19,810	3.45	684	10	14,730	3.90	574	1-69	35	903	-.10	23	43
41-52-0021	439996	118619	4-62	5 305	14,708	4.12	606	8	12,150	4.12	500	8-69	44	783	-.02	29	44
41-52-0021	439997	118619	5-62	4 305	15,873	3.98	631	7	12,653	4.03	510	4-69	43	864	-.03	31	48
41-52-9020	459833	118619	9-63	4 303	15,745	3.61	568	5	12,705	4.04	513	5-69	43	842	-.09	22	40
41-52-9020	478362	118619	7-64	3 305	16,957	3.72	631	6	12,303	3.99	491	2-69	42	1,011	-.07	32	53
41-52-9020	478363	118619	9-64	2 305	16,575	3.78	626	8	12,855	4.01	515	4-69	40	870	-.06	27	45
41-55-9174	475953	118619	9-64	3 305	16,900	4.31	729	18	14,147	4.01	567	1-70	42	811	-.02	35	50
41-55-9174	475955	118619	1-65	3 305	17,073	4.04	689	12	13,760	4.06	559	8-69	42	872	-.03	31	48
41-55-9174	508507	126555	8-65	3 289	16,450	3.82	628	23	14,403	4.03	580	12-69	41	712	-.07	19	34
41-56-0355	430496	118619	9-61	5 305	14,058	4.03	567	7	11,076	3.69	409	10-69	44	825	-.01	34	50
41-66-0210	530852	131528	2-66	2 305	19,470	3.93	765	6	12,470	4.18	521	10-69	40	838	-.02	31	47
41-81-0067	508444	148591	12-66	2 305	16,965	4.62	784	7	13,510	4.06	549	1-70	25	454	-.10	31	38
41-84-9091	473280	143433	7-64	4 280	14,085	4.25	598	7	10,283	4.00	411	4-69	34	673	-.03	31	43
41-85-0215	444780	135167	1-61	3 301	13,990	3.72	520	18	9,243	4.00	370	1-69	32	767	-.05	24	40
41-85-0217	470104	126555	3-64	3 300	14,187	3.71	527	14	11,680	3.96	462	1-69	41	734	-.07	20	36
41-85-0409	502341	118619	5-66	1 305	17,920	4.01	718	14	12,890	4.02	518	8-69	35	900	-.03	32	50
41-87-0010	480895	136140	1-65	2 305	18,565	3.45	640	7	12,375	4.03	499	12-68	39	1,043	-.20	15	40
42-03-0038	498774	118619	10-65	2 305	16,265	3.34	544	17	11,950	3.90	466	5-69	40	921	-.10	24	44
42-03-0054	512347	118619	10-66	1 305	17,760	3.63	645	8	13,780	4.31	594	10-69	35	828	-.09	21	39
42-03-0075	421297	116912	2-61	6 302	13,645	3.95	539	13	10,515	3.99	420	1-69	39	702	-.01	27	41
42-03-0075	479009	144914	11-64	3 305	16,520	4.03	665	12	11,390	4.03	459	12-69	32	682	-.00	28	41
42-03-9007	470082	140088	7-64	4 302	17,080	3.60	615	21	12,030	4.08	491	1-70	30	765	-.09	19	36
42-08-0004	436909	118142	8-61	5 303	18,762	4.14	776	7	11,928	4.11	490	4-69	41	924	-.04	42	59
42-09-0038	498263	125472	8-65	2 302	17,910	3.77	676	7	12,685	4.04	512	9-69	40	721	-.06	21	36
42-12-0026	332069	113449	12-55	9 303	14,341	3.88	557	11	10,247	3.98	408	10-69	35	640	-.02	23	36
42-14-0005	511697	125472	8-64	2 305	20,345	3.75	762	5	13,650	3.67	501	7-69	40	880	-.03	31	49
42-14-9012	452361	139618	4-63	4 305	17,712	4.10	726	11	12,825	3.95	507	11-69	34	805	-.04	37	52
42-16-9055	458708	118619	3-63	4 305	14,165	3.98	564	11	11,998	4.08	489	3-70	43	725	-.03	25	40
42-16-9055	459738	118619	12-63	4 292	13,365	4.09	547	13	11,490	4.18	480	1-69	43	682	-.03	23	37
42-16-9055	459740	118619	7-63	4 305	17,105	3.88	664	10	11,360	4.12	468	7-69	43	1,162	-.06	39	63
42-16-9055	470432	118619	6-64	3 305	17,587	3.88	683	8	11,420	4.00	457	7-69	42	1,177	-.05	41	65
42-16-9055	477608	118619	10-64	3 305	17,430	3.88	676	8	11,667	3.99	466	8-69	42	1,133	-.05	39	62
42-16-9055	477609	118619	9-64	4 305	14,423	4.04	582	11	11,785	4.09	482	2-70	43	780	-.03	28	43
42-16-9055	477611	118619	7-64	3 305	18,160	3.89	707	10	11,753	4.06	477	12-68	42	1,209	-.05	42	66
42-16-9055	477612	118619	8-64	3 305	17,080	3.96	677	12	11,793	4.07	480	7-69	42	1,079	-.04	38	60
42-16-9055	484154	118619	3-65	3 305	14,537	3.87	562	11	12,460	4.01	500	12-69	42	713	-.04	23	38
42-16-9055	493583	118619	7-65	3 305	19,477	3.80	740	12	12,383	3.98	493	9-69	42	1,296	-.06	44	70
42-16-9055	525687	118619	2-68	1 305	18,330	3.79	695	13	13,530								

TABLE 5. BROWN SWISS USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO.	MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X FAT (%)	FAT (LB)	..OOL- LARS	
42-31-0090	431499	133224	12-60	6	291	15,728	4.04	636	6	12,583	4.06	511	3-69	35	624	-.01	24	\$ 36
42-31-0090	432455	133224	4-61	4	292	16,288	3.97	646	9	12,413	4.00	497	2-69	33	710	-.01	27	41
42-31-0090	478868	133224	1-64	4	305	15,765	4.17	658	11	12,652	4.03	510	11-69	33	603	.02	27	38
42-31-0115	500225	145006	2-66	2	305	15,260	4.13	630	5	11,460	4.18	479	12-69	28	676	-.02	25	38
42-31-0115	515338	145006	9-66	1	305	18,370	3.95	725	6	11,780	4.13	487	12-69	22	837	-.04	29	46
42-31-0115	536496	145006	11-67	1	305	19,050	3.52	670	6	11,780	4.13	487	12-69	22	899	-.09	24	43
42-31-0115	536497	145006	11-67	1	305	20,040	3.39	680	7	12,430	4.04	502	1-70	22	936	-.10	24	44
42-33-0058	467931	134723	11-63	4	305	18,227	4.30	783	18	13,237	4.15	549	2-70	34	858	.03	38	54
42-33-0058	472061	118619	8-64	5	305	15,682	3.86	605	14	13,354	4.07	544	4-70	44	769	-.06	23	39
42-38-0087	507331	124403	10-66	1	305	16,950	4.19	711	10	9,690	4.04	391	9-69	30	873	-.02	33	50
42-42-0040	497883	141777	1-66	2	294	13,560	4.47	606	16	10,485	4.23	444	9-69	34	711	.03	32	45
42-42-0049	459006	118619	9-63	4	299	17,388	3.55	618	10	13,863	3.92	543	1-70	43	917	-.09	25	45
42-42-0049	468691	118619	5-64	3	305	15,523	3.76	584	12	12,813	3.85	493	4-69	42	791	-.04	26	42
42-42-0049	495769	141938	1-65	3	304	18,057	4.07	735	10	13,190	3.84	507	1-69	29	708	.04	33	46
42-42-0049	519081	118619	10-60	2	305	14,460	3.89	562	8	10,780	4.11	443	4-69	40	845	-.05	27	44
42-42-9020	479572	118619	6-64	3	288	13,830	4.03	558	6	11,723	4.13	484	4-69	42	708	-.03	24	38
42-42-9020	488307	118619	4-65	3	300	15,930	3.89	619	6	10,760	4.20	452	6-69	42	1,053	-.06	34	56
42-42-9020	494236	139665	10-62	3	305	15,686	4.23	663	8	10,713	4.29	460	2-69	33	681	.01	29	42
42-45-9009	475022	118619	7-64	4	303	13,263	4.08	541	12	11,570	4.12	477	9-69	43	660	-.03	23	36
42-46-0024	482267	118619	11-64	3	298	14,093	4.14	583	28	11,783	3.78	445	9-69	42	732	.01	31	45
42-46-0024	482269	118619	12-64	2	305	15,255	3.64	556	19	12,555	3.66	460	3-69	40	763	-.04	25	41
42-46-0024	488896	118619	7-65	2	302	15,395	3.55	546	18	13,415	3.63	487	2-70	40	698	-.05	22	36
42-46-0024	507474	144067	6-66	2	300	18,275	3.92	717	28	12,640	3.81	481	10-69	29	740	.02	32	46
42-46-0061	460408	124403	12-63	4	304	16,525	4.10	677	14	12,867	4.07	524	11-69	39	756	-.02	28	43
42-48-0067	479066	118619	8-64	4	305	16,818	3.75	630	10	11,475	4.10	471	3-70	43	1,113	-.07	35	58
42-48-0067	482725	118619	3-65	2	305	15,165	3.86	586	5	12,240	4.07	498	9-68	40	783	-.05	25	41
42-48-0067	528654	146693	1-67	1	305	15,120	4.05	613	11	11,030	4.03	444	7-69	24	597	.00	24	35
42-48-0067	528658	146693	6-67	1	305	14,160	4.52	640	10	10,550	4.09	432	9-69	24	550	.05	28	38
42-50-0005	504581	118619	9-62	2	305	13,640	3.96	540	8	9,750	4.04	394	6-69	40	856	-.03	30	47
42-50-0006	420659	118619	12-60	6	305	18,995	3.93	746	14	12,952	4.10	531	10-69	44	1,249	-.05	43	68
42-50-0006	462318	118619	7-63	3	305	14,610	4.14	605	14	13,150	4.17	548	2-69	42	649	-.02	23	36
42-50-0006	490542	118619	10-64	3	305	16,090	4.16	670	13	13,847	4.11	569	10-69	42	748	-.02	28	43
42-54-0018	400203	118619	11-59	4	299	15,180	3.83	581	13	12,418	4.07	506	12-69	43	804	-.06	25	42
42-54-0018	461356	117219	9-63	4	302	17,145	4.27	732	12	12,632	4.14	523	12-69	41	582	.01	25	36
42-60-0057	501686	143078	12-65	3	305	18,233	3.45	629	5	13,063	3.80	496	4-70	29	749	-.09	19	35
42-70-0057	447472	118619	10-62	3	304	14,597	3.82	557	7	11,683	3.99	466	7-69	42	801	-.05	26	42
42-70-0064	435877	133482	3-61	2	305	15,695	4.93	774	5	10,505	4.28	450	10-68	28	660	.12	42	52
42-71-0036	432886	118619	12-61	5	290	13,904	3.65	507	9	11,506	3.92	451	11-69	44	754	-.06	22	38
42-71-0036	436831	118619	7-61	4	294	15,718	3.68	578	5	11,383	4.01	457	4-69	43	987	-.07	30	51
42-71-0036	471942	118619	2-64	4	305	17,325	3.54	613	12	12,285	3.95	485	9-69	43	1,086	-.09	31	54
42-71-0036	480445	118619	1-65	3	304	16,950	4.06	689	6	13,323	3.84	511	5-69	42	903	.00	36	53
42-71-9037	414010	118619	1-61	6	305	16,758	3.72	623	8	10,987	3.92	431	7-69	44	1,188	-.06	39	63
42-71-9037	414012	118619	2-61	6	302	17,462	3.83	628	7	11,362	3.93	447	11-69	44	1,235	-.05	43	68
42-71-9037	509599	118619	10-66	2	305	16,255	3.53	573	9	11,415	3.83	437	4-70	40	969	-.08	29	49
42-72-0019	457033	118619	4-63	3	305	14,577	3.66	533	9	11,947	3.97	474	2-69	42	771	-.07	22	38
42-77-9024	416355	92099	2-61	5	267	16,984	4.04	686	19	13,402	4.02	539	4-69	41	605	-.02	22	34
42-77-9024	460404	124403	9-63	4	249	19,442	3.67	714	15	14,165	4.00	566	6-69	39	991	-.09	28	49
42-77-9024	460409	124403	1-64	3	294	17,730	3.97	704	15	13,940	4.09	570	12-68	37	761	-.04	25	40
42-77-9024	460412	124403	1-64	4	226	18,297	4.09	749	14	14,260	3.98	567	8-69	39	826	-.01	32	48
42-82-0071	403597	118619	5-60	7	304	14,310	4.19	599	21	11,176	4.21	471	4-69	44	846	-.02	31	48
42-82-0071	426789	118619	3-61	6	300	16,243	4.42	718	18	11,340	4.27	484	5-69	44	1,079	.01	45	65
42-82-0071	451603	118619	5-63	4	304	13,485	3.83	516	20	11,205	4.25	476	2-69	43	729	-.07	20	36
42-82-0071	484389	118619	9-64	4	305	14,243	4.20	598	22	10,880	4.31	469	1-70	43	860	-.03	31	48
42-82-0071	509701	145544	9-66	1	305	17,210	4.37	752	30	12,020	4.15	499	4-69	22	478	.05	26	34
42-82-9054	461229	118619	3-64	3	305	13,837	4.28	592	19	11,787	4.11	485	11-68	42	702	.00	28	41
42-82-9054	476747	141064	7-64	2	305	15,355	4.14	636	11	11,545	4.04	466	5-69	29	593	.02	26	37
42-82-9082	437003	137715	7-61	6	302	17,397	4.43	771	7	14,020	4.01	562	3-70	32	564	.09	34	43
42-82-9084	436509	118619	7-61	6	305	15,123	4.17	631	12	12,405	4.17	517	8-69	44	808	-.02	30	46
42-82-9084	479913	142101	8-64	3	305	17,476	4.15	726	15	12,646	4.09	517	3-69	32	801	.02	35	50
42-82-9084	479918	142101	7-64	3	305	15,736	4.37	688	14	13,100	4.10	537	2-69	32	507	.06	28	36
42-84-0050	473728	118619	11-64	2	305	14,005	3.91	548	22	10,795	3.97	429	2-70	40	797	-.04	27	43
42-84-0050	485615	123323	4-62	5	305	15,246	3.42	522	13	10,698	4.11	440	2-70	43	921	-.14	18	39
42-84-0108	548409	139036	12-67	1	298	20,660	4.63	957	7	15,470	4.18	646	1-70	31	430	.08	28	34
42-84-9058	408664	118619	3-60	7	305	15,949	4.11	655	7	12,974	4.05	525	9-69	44	849	-.02	32	49
42-84-9058	489904	118619	9-65	3	305	15,353	3.90	599	10	13,607	4.02	547	2-70	42	688	-.04	22	36
42-84-9058	513099	147330	12-66	1	305	18,670	4.33	809	10	12,710	4.11	523	8-69	19	571	.04	28	38
42-86-0076	503582	133176	6-64	3	305	16,210	3.79	614	13	11,713	3.99	467	11-68	33	693	-.02	25	39
42-94-0005	467062	118619	1-64	2	305	15,270	3.74	571	9	12,125	4.02	487	1-69	40	804	-.06	24	41
42-94-0005	495534	144332	1-66	2	305	19,725	3.77	744	10	12,830	4.16	534	5-69	29	1,019	-.07	32	53
42-94-0005	4955																	

TABLE 5. BROWN SWISS USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW 80RN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C REPT MO-YR O	.....C O W MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..OOL- LARS			
43-23-0037	366366	106795	12-57	3 305	17,240	4.15	716	10	11,813	3.88	458	12-69	33	838	.03	38	\$ 53
43-23-0037	387969	121266	5-59	3 305	15,527	3.92	608	9	12,293	3.93	483	1-69	35	582	.00	23	34
43-23-0037	393725	130534	6-59	3 298	17,963	3.85	692	9	12,803	3.94	505	1-69	29	744	-.02	27	42
43-23-0037	401489	121266	12-59	2 305	18,005	4.00	720	9	11,750	3.86	454	9-69	32	881	.02	38	54
43-33-0042	489789	143929	7-65	3 305	14,886	4.14	617	19	11,703	4.09	479	9-69	32	585	.00	24	35
43-33-0042	493859	143929	2-66	2 305	16,355	4.00	654	21	11,615	4.16	483	9-69	29	728	-.02	26	40
43-45-0021	489073	118619	3-65	3 305	15,303	4.23	647	5	13,133	4.23	555	3-70	42	731	-.02	27	41
43-45-9021	398214	82516	11-59	6 305	16,408	4.13	677	6	12,600	4.18	512	9-69	43	655	.01	27	39
43-45-9021	473965	118619	10-64	3 299	14,210	4.00	569	10	12,593	4.18	527	10-68	42	661	-.04	21	35
43-45-9021	489072	118619	1-65	4 298	15,890	4.05	643	10	13,018	4.24	552	11-69	43	825	-.05	27	44
45-02-0004	461502	118619	9-63	3 305	15,507	4.08	632	11	12,163	4.18	508	11-69	42	857	-.03	30	47
45-02-0004	461503	118619	9-63	4 303	15,063	4.00	603	10	12,575	4.19	527	1-70	43	772	-.05	25	41
45-02-0004	462553	118619	10-63	3 305	18,117	3.95	715	11	12,203	4.20	513	3-69	42	1,157	-.06	39	62
45-09-9042	428720	118619	1-62	6 304	20,890	4.14	864	10	14,887	4.21	627	4-69	44	1,269	-.02	48	73
45-09-9042	432498	118619	2-62	5 301	19,056	4.12	786	10	14,778	4.22	624	5-69	44	1,042	-.03	38	59
45-09-9042	493192	114408	2-66	2 305	19,285	4.57	881	10	15,550	4.12	640	11-69	38	657	.10	39	49
45-09-9042	506658	114408	11-66	2 305	18,705	4.18	782	5	14,335	4.28	613	11-69	38	711	.02	31	44
45-09-9042	522760	114408	1-68	1 305	18,600	4.45	828	8	15,060	4.12	620	1-70	33	541	.06	30	39
46-06-9003	463135	125472	10-63	3 305	17,260	4.33	747	8	14,150	4.11	582	7-69	42	562	.01	24	35
46-17-0001	404159	129147	11-59	4 302	16,205	4.13	669	10	12,120	4.34	526	1-69	33	651	-.02	24	37
46-17-0001	527613	144647	8-67	1 305	17,420	4.04	703	11	10,580	4.32	457	10-69	22	763	-.02	28	43
46-17-0002	455814	118619	7-63	3 298	15,197	4.39	667	10	12,243	4.44	544	12-68	42	812	-.02	30	46
46-52-0043	514256	144320	2-67	1 305	17,410	3.86	672	6	11,300	3.67	415	9-69	22	708	.01	30	43
47-01-0022	432569	118619	11-61	6 305	16,718	3.88	648	7	15,252	3.99	608	3-70	44	681	-.04	22	36
47-01-0022	487768	125472	12-64	4 305	20,123	3.94	793	8	15,420	3.99	616	4-70	43	798	-.04	27	43
47-01-0022	487769	125472	4-65	2 305	19,345	4.07	787	8	15,400	4.00	616	1-69	40	618	-.01	23	35
47-01-0022	529820	118619	3-68	1 305	18,250	4.14	756	7	14,610	4.09	597	3-70	35	808	-.02	30	46
47-20-9009	474301	139283	7-64	3 305	18,246	4.13	753	5	13,226	4.15	549	6-69	35	831	.01	35	51
47-20-9009	474302	139283	8-64	3 305	18,646	3.87	721	6	13,533	4.26	577	3-69	35	847	-.05	27	44
47-20-9025	447233	118619	2-63	5 303	16,090	4.01	646	19	13,754	4.22	580	4-70	44	775	-.05	25	41
47-34-9013	475630	118619	9-64	2 305	16,330	4.38	715	24	11,860	4.24	503	3-69	40	936	.00	37	55
47-34-9013	475631	118619	8-64	3 303	13,617	4.02	548	25	11,790	4.27	504	12-69	42	676	-.06	20	34
47-34-9013	490747	118619	8-65	3 299	14,083	3.94	555	23	12,197	4.23	516	12-69	42	687	-.06	20	34
47-48-0043	375898	116912	8-58	5 300	16,056	4.57	734	11	12,818	4.22	541	11-68	39	750	.07	39	52
47-48-0043	443914	118619	10-62	6 297	15,588	3.98	620	10	13,030	4.17	544	12-69	44	795	-.05	25	41
47-48-0043	464951	125472	3-64	1 305	19,350	3.89	753	22	11,680	4.42	516	10-69	35	770	-.07	22	38
47-48-0043	496251	125472	12-65	2 305	15,800	4.30	679	15	11,195	4.49	503	8-69	40	642	-.03	22	35
47-48-0043	505278	125472	10-64	4 300	17,238	4.72	813	11	13,638	4.27	582	12-69	43	639	.06	34	45
47-48-0043	526177	126555	11-66	2 305	13,810	5.03	695	24	12,105	4.46	540	10-69	39	640	.03	30	42
47-71-0020	432562	118619	10-61	5 302	17,254	4.02	693	5	11,624	4.09	475	5-69	44	1,177	-.03	43	66
47-71-0020	432565	118619	6-61	6 304	16,258	3.75	609	6	11,360	3.94	448	12-68	44	1,078	-.06	35	57
47-71-0020	443916	118619	7-62	5 296	16,326	3.98	649	5	12,196	4.03	492	5-69	44	989	-.04	35	55
47-71-0024	436823	117219	3-62	5 305	18,442	3.95	728	11	12,768	4.03	515	10-69	42	767	-.03	27	42
47-71-0024	453518	118619	12-62	5 299	16,330	4.03	658	6	14,112	3.98	562	3-70	44	765	-.02	28	43
47-71-0024	482745	118619	2-65	3 303	14,920	4.15	619	19	13,030	4.04	526	7-69	42	698	-.01	27	41
47-71-0024	488120	118619	8-65	3 300	17,350	4.09	709	25	13,123	4.09	537	9-69	42	971	-.02	36	55
47-71-0024	510941	135487	7-66	2 305	19,420	3.88	753	26	13,755	4.13	568	8-69	38	790	-.08	21	38
47-71-0036	486685	143835	4-65	3 305	15,090	4.33	654	14	12,530	3.95	495	5-69	37	486	.07	29	37
47-71-0036	510897	130709	10-66	2 305	17,380	4.32	750	12	11,775	4.20	495	12-69	38	697	-.03	24	38
48-08-0035	489071	118619	1-65	3 297	18,540	3.62	671	13	13,470	4.05	545	10-68	42	1,073	-.09	31	54
48-08-0035	499293	141907	1-66	2 245	18,640	3.67	685	7	14,670	4.00	587	5-69	8 30	737	-.07	21	37
48-14-9010	416587	129628	4-60	6 300	15,585	4.25	663	17	12,503	4.19	524	2-69	35	603	.01	26	37
48-14-9010	431686	132147	9-61	6 274	16,578	4.28	709	10	13,470	4.05	546	1-69	35	550	.05	29	38
48-14-9010	448469	124652	10-62	4 305	18,135	4.27	775	34	13,158	4.23	556	2-70	44	590	.03	28	39
48-14-9010	448490	129628	12-60	6 297	15,833	4.09	647	17	12,411	4.24	526	3-69	35	653	-.03	23	36
48-14-9010	471909	126555	11-63	2 305	18,815	4.21	792	40	12,825	4.30	552	12-68	39	1,091	-.04	39	61
48-14-9010	479290	140390	10-64	3 294	17,000	4.29	729	31	12,810	4.15	531	8-69	33	789	.03	36	50
48-14-9010	480882	140390	9-64	3 292	15,423	4.42	681	30	12,973	4.24	550	10-69	33	558	.04	28	38
48-34-0045	477815	118619	8-64	3 298	18,037	4.07	734	10	12,420	4.02	499	4-69	42	1,125	-.02	43	65
48-34-0045	477818	121213	12-64	3 305	15,470	4.15	642	14	11,153	3.93	438	7-69	36	509	.04	25	34
48-34-0045	478576	140390	7-64	3 305	18,060	3.83	692	19	12,216	4.01	490	2-69	33	1,003	-.03	36	56
48-34-0045	511208	147207	9-66	2 296	14,385	4.55	655	11	11,375	3.93	447	10-69	29	481	.08	30	37
48-34-0045	511210	147207	10-66	1 298	18,400	4.01	738	14	11,930	3.92	468	11-68	23	720	.01	30	44
48-34-0045	511213	147207	1-67	2 290	18,010	3.91	705	7	13,275	4.00	531	3-70	29	713	-.01	27	41
48-34-0045	525776	147207	7-67	1 305	18,850	3.84	724	8	10,950	3.94	431	11-69	23	841	-.01	32	48
48-34-9026	455007	118619	8-63	2 305	14,685	3.99	586	22	9,880	4.05	400	9-68	40	950	-.03	34	53
48-34-9026	470926	118619	7-64	3 305	14,770	3.78	559	13	11,240	4.15	466	8-69	42	868	-.07	26	44
48-34-9026	513628	146292	10-66	1 305	18,710	4.04	756	9	12,150	3.90	474	3-69	27	774	.04	36	50
48-34-9026	513631	146292	11-66	1 305	15,490	4.18	647	8	9,540	3.92	374	10-69	27	700	.05	35	47
48-44-9163	460249	139161	9-63	4 305	17,487	4.48	783	11	13,722	4.04	555	5-69	35	512	.12	36	43
48-44-9163	478442	118619	9-64	3 300	17,247	4.31	743	19	13,097	4.23							

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST CALVD MO-YR	T C D	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS	
51-05-9132	469779	140685	4-64	4 304	14,760	4.27	630	41	11,262	4.32	487	9-69	35	534	.04	27	\$ 36
51-05-9132	469797	114408	8-64	4 302	15,030	4.21	633	30	12,217	4.31	526	4-70	41	574	.02	25	36
51-05-9132	489730	144147	8-65	3 305	18,327	4.05	742	26	13,367	4.04	540	12-69	29	724	.01	30	44
51-17-9018	492474	144154	10-65	2 304	14,035	4.33	608	13	10,435	4.26	445	11-69	29	542	.02	24	34
51-17-9018	502329	144154	5-66	2 305	16,055	3.87	622	8	10,885	4.01	436	3-70	29	735	-.02	27	41
51-17-9157	464254	135095	1-64	4 304	19,008	4.20	798	20	13,560	4.23	573	1-70	43	532	.04	27	36
52-29-0040	463561	125472	9-63	3 250	18,883	3.66	691	29	13,460	4.04	544	11-68	8 42	824	-.09	21	39
52-29-0103	493917	107915	1-64	3 305	16,177	4.48	725	19	13,533	3.89	526	7-69	42	362	.12	30	34
52-56-0022	468424	114431	1-64	3 305	17,650	4.04	713	26	13,196	4.10	541	1-69	34	740	-.01	28	42
52-82-0080	410584	124652	9-60	4 305	23,665	4.14	979	14	14,665	4.04	593	12-68	44	1,106	.03	49	69
52-82-0080	424399	123323	4-61	1 305	19,030	4.50	856	16	15,750	4.16	655	3-70	35	671	-.02	25	38
52-82-0080	458218	124652	7-63	5 304	25,460	4.07	1037	12	15,220	4.03	614	1-70	44	1,324	.02	56	81
52-82-0080	518531	146046	7-67	1 305	17,120	4.93	844	7	14,160	3.93	557	4-70	23	580	.10	36	45
52-93-0006	473993	126555	9-64	3 279	18,293	3.78	692	8	15,540	4.06	631	2-69	41	808	-.08	22	39
54-19-0045	490138	118619	9-65	1 305	15,140	4.04	612	9	9,720	4.14	402	9-68	35	906	-.03	32	50
55-28-0033	407616	125640	5-60	7 297	13,850	4.16	576	11	12,062	4.21	508	10-69	43	652	.03	30	42
55-43-0020	489500	126555	10-65	3 297	17,170	3.80	652	8	14,003	3.90	546	1-70	41	838	-.06	26	43
55-43-0020	489501	126555	10-65	2 304	16,490	3.61	595	7	13,505	4.01	542	4-69	39	787	-.10	19	36
55-79-0053	475611	126555	8-64	3 305	16,410	3.86	633	5	10,303	3.81	393	11-69	41	1,139	-.04	40	63
56-37-0006	504811	107915	6-66	1 239	18,100	4.36	790	6	12,410	4.18	519	10-68	8 35	473	.07	28	36
56-41-0026	484439	124652	8-64	2 305	16,630	4.32	718	7	10,555	3.97	419	11-68	40	562	.05	29	39
57-53-0512	425437	131094	8-61	7 303	16,102	4.02	647	6	12,968	3.90	506	1-70	35	641	.03	29	41
57-53-0521	504290	131528	4-66	2 301	17,475	4.13	722	8	13,745	3.76	517	5-69	40	517	.05	27	36
57-56-0506	464075	140167	2-64	4 303	18,890	3.59	679	23	14,480	3.87	560	5-69	35	749	-.09	19	35
57-56-0506	510144	125472	11-66	2 305	19,745	3.35	661	57	14,425	3.76	542	1-70	40	748	-.10	17	34
57-56-0506	521987	147172	9-67	1 305	17,280	3.99	690	52	12,770	3.67	469	12-69	24	581	.02	26	37
57-56-0506	521996	147172	7-67	1 305	18,780	3.58	672	39	12,510	3.63	454	11-69	24	737	-.03	26	41
57-56-0507	491160	123323	6-65	3 305	15,606	3.71	579	9	12,096	3.84	464	7-69	41	764	-.07	21	37
57-56-0507	513599	126555	7-66	2 305	17,045	3.48	593	10	12,125	3.95	479	7-69	39	973	-.11	25	46
57-76-0505	462956	126555	7-63	4 303	14,573	3.70	539	9	11,905	3.80	452	1-70	42	770	-.06	23	39
57-76-0505	462958	126555	8-63	4 302	13,058	4.12	538	10	11,103	3.99	443	7-69	42	670	-.02	24	37
58-03-0042	429769	132658	12-61	4 305	18,322	3.57	654	29	11,270	3.86	435	12-68	34	1,031	-.08	31	52
58-03-0042	499622	141777	9-65	1 305	16,280	3.75	611	27	11,020	4.14	456	7-69	29	841	-.04	28	45
58-03-0042	499623	118619	2-65	1 305	19,240	4.06	781	32	11,270	4.13	466	8-69	35	1,110	-.03	40	62
58-03-0042	499624	118619	8-65	3 263	14,400	4.24	610	33	12,213	3.98	486	12-69	42	723	.01	30	44
58-03-0042	515906	141777	9-66	1 305	14,800	4.00	592	36	11,630	3.96	461	3-69	29	673	-.01	26	39
58-03-0042	522273	146693	9-67	1 305	17,440	4.23	737	31	11,060	4.16	460	10-69	24	801	.01	34	49
58-03-0042	529555	118619	10-67	1 305	15,080	4.13	623	26	12,380	3.89	481	4-70	35	720	-.01	27	41
58-08-0045	446270	114431	9-62	4 291	17,187	3.81	655	22	13,455	3.96	533	9-69	35	681	-.03	23	37
58-08-0045	478732	126555	1-65	1 305	17,820	3.40	605	23	14,900	3.56	530	1-70	35	739	-.07	20	36
58-08-0061	451408	124652	11-62	1 305	16,950	4.06	688	7	8,790	3.59	316	8-69	36	542	.03	26	36
58-09-0027	524954	150232	8-67	1 305	18,240	3.95	720	12	11,710	3.91	458	5-69	19	616	.00	25	37
61-24-0066	499989	107915	4-66	1 305	16,480	4.24	698	25	10,750	4.01	431	11-68	35	464	.07	27	34
61-30-0023	453789	115176	5-63	4 305	15,697	3.79	595	16	11,185	4.03	451	6-69	41	630	-.03	22	35
63-09-0010	496277	135101	7-65	3 250	20,376	3.47	707	7	14,560	3.74	545	4-70	38	779	-.06	24	40
63-43-0001	371082	123981	8-58	3 305	20,850	3.95	823	12	15,277	4.14	632	1-69	29	838	-.04	29	46
63-43-0001	444301	109954	7-62	5 304	19,268	3.93	757	10	15,760	4.04	636	3-69	39	670	-.03	23	36
64-51-0101	430507	123323	10-61	3 305	14,333	3.97	569	20	11,330	4.07	461	11-68	41	696	-.06	20	35
73-36-0027	429067	118619	8-61	3 287	15,963	4.13	659	12	11,537	3.85	444	9-69	42	976	.01	40	59
73-37-0023	484405	136140	3-65	3 305	20,470	3.95	809	10	16,426	4.12	676	3-69	41	907	-.13	19	39
73-37-0025	513257	136140	12-66	1 305	20,080	3.46	694	5	13,930	3.70	515	4-69	35	910	-.16	15	36
73-74-9012	422867	135099	2-61	6 301	15,985	4.15	664	35	12,795	3.91	500	5-69	36	639	.03	30	41
73-74-9012	439374	135099	3-62	5 298	16,466	3.74	616	22	11,968	3.99	477	8-69	36	819	-.05	26	43
73-74-9012	491719	131528	9-65	2 305	18,965	3.99	756	14	14,140	3.98	563	3-69	40	633	.01	27	39
73-74-9012	514127	131528	2-67	1 305	19,940	4.30	858	9	13,570	3.99	541	8-69	35	621	.05	31	42
74-06-0010	460534	125472	12-63	3 304	16,423	3.86	634	16	12,477	3.76	469	11-68	42	640	-.02	23	36
74-06-0010	470590	125472	12-63	4 305	17,040	3.50	597	27	12,253	3.72	456	9-69	43	769	-.08	21	37
74-15-0131	464331	136245	5-63	5 301	16,724	3.65	611	18	12,046	3.82	460	11-69	34	866	-.07	26	44
74-15-0131	479677	125472	1-63	2 305	16,760	3.94	660	12	11,880	3.80	452	3-69	40	677	-.02	25	38
74-15-0131	492233	118619	11-64	1 305	19,660	3.80	747	16	12,620	3.86	487	12-69	35	1,050	-.05	36	57
74-15-0131	492255	144887	7-65	1 305	19,730	3.82	754	15	13,070	3.83	501	1-70	19	641	-.01	24	37
74-25-0173	457289	139774	6-63	4 305	17,455	4.18	730	22	12,422	4.05	503	5-69	35	790	.03	36	50
74-25-0173	514812	145860	9-66	2 305	21,155	3.90	825	24	13,875	4.12	572	12-69	29	920	-.03	33	51
74-25-0202	528722	144653	2-68	1 305	22,170	4.03	894	9	14,830	3.90	578	3-70	23	728	.01	30	44
81-07-0623	453342	138711	6-63	1 305	19,230	3.92	753	10	13,030	4.09	533	7-69	19	597	-.02	22	34
81-07-9622	407248	99988	11-59	7 305	16,809	3.93	661	14	11,847	4.12	488	6-69	44	737	-.02	27	42
81-07-9622	520199	146292	10-67	1 305	17,250	4.15	716	12	12,080	4.20	507	1-70	27	655	.03	30	42
81-24-0741	356919	85732	2-57	1 305	17,340	4.30	746	5	12,390	4.03	499	2-69	27	530	.05	28	37
81-50-9576	459440	140427	9-63	3 305	20,996	4.18	877	15	14,736	4.18	616	8-69	32	992	.02	43	61
81-50-9576	489329	140427	8-65	2 305	19,575	4.06	794	12	15,080	4.07	614	5-69	29	686	.01	29	42
82-36-0258	409363	122242	9-60	5 297	14,068	4.04	568	5	11,702	4.00	468	4-69					

TABLE 5. BROWN SWISS USDA-OHIA HIGH RANKING COWS (CONTINUEO).

GOV'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	..... OOL- LARS
84-37-9012	514110	141607	12-66	1 305	19,270	4.41	849	21 13,130	4.14	543	10-69	19	592	.05	30	\$ 40
86-01-9165	448492	137051	7-62	1 305	22,770	3.85	877	76 15,780	4.05	639	6-69	19	698	-.03	24	38
86-01-9165	460400	124403	7-63	5 291	18,382	3.92	720	34 14,032	4.10	576	2-70	40	887	-.06	28	46
86-01-9165	505253	116497	7-66	2 305	24,895	3.93	979	51 15,690	4.13	648	10-69	30	1,074	-.02	40	61
86-01-9165	510603	131528	12-66	2 292	20,870	4.21	878	71 16,140	4.08	659	2-70	40	644	.03	30	42
86-01-9165	514201	131528	12-66	1 305	23,490	3.75	882	71 16,670	4.03	672	5-69	35	678	-.03	24	38
86-01-9165	514211	124403	2-67	1 305	22,990	3.68	845	75 15,710	4.06	638	6-69	30	925	-.08	26	46
86-01-9165	518451	131528	12-66	2 305	21,130	4.28	904	69 16,265	4.08	664	2-70	40	659	.04	32	44
86-01-9165	520458	131528	11-67	1 305	20,980	4.26	894	80 15,690	4.09	641	2-70	35	555	.04	27	37
86-01-9165	520589	124403	7-67	1 279	21,050	4.16	876	79 15,590	4.14	645	10-69	30	774	-.02	28	43
91-50-0007	474174	135681	10-64	2 305	20,730	3.57	740	12 15,985	3.98	636	11-68	35	888	-.09	24	43
91-50-5007	351098	104457	7-57	4 305	20,595	3.88	799	5 15,673	4.05	634	4-70	35	693	-.02	25	39
91-50-5007	511669	135681	10-66	1 305	22,520	3.62	815	12 15,910	4.04	643	6-69	30	919	-.07	28	47
91-66-0015	396944	99988	1-60	3 305	21,263	3.90	830	23 16,450	4.15	682	2-69	42	708	-.03	24	38
91-66-0015	450698	109152	11-62	4 305	19,710	4.18	823	16 16,093	4.25	684	8-69	43	635	-.04	21	34
91-66-0015	519883	131528	4-67	1 305	22,830	4.39	1002	26 18,510	4.28	792	11-69	35	503	.04	25	34
91-66-0015	519886	147144	8-67	1 305	22,060	4.38	966	19 17,450	4.33	755	11-69	22	820	.02	35	50
91-66-0015	519888	147144	7-67	1 305	21,160	3.97	841	19 17,450	4.33	755	11-69	22	738	-.05	23	38
91-66-0015	520031	147144	10-67	1 305	23,840	3.81	909	20 17,420	4.37	762	10-69	22	984	-.08	29	50
91-66-0015	520032	147144	11-66	1 305	24,030	4.01	964	16 18,050	4.04	729	4-69	22	950	-.01	37	55
91-66-0015	520033	147144	8-66	2 305	22,070	4.25	937	25 17,720	4.23	750	12-69	28	922	.01	38	55
91-66-0015	520034	147144	9-67	1 305	20,710	4.15	860	19 16,940	4.31	730	2-70	22	739	-.02	27	42
91-66-0015	521348	147144	9-67	1 305	25,420	4.04	1028	19 17,450	4.33	755	11-69	22	1,126	-.04	40	62
91-66-0015	530947	147144	11-67	1 305	21,780	4.21	917	19 17,450	4.33	755	11-69	22	795	-.01	30	46
91-66-0015	530948	147144	2-68	1 302	20,800	4.42	919	15 16,940	4.32	731	3-70	22	747	.02	33	47
91-70-5027	439371	135099	8-61	6 304	19,083	3.72	710	64 12,975	4.08	529	7-69	36	1,070	-.08	32	54
91-70-5027	448346	135099	10-62	4 305	19,285	3.94	759	44 13,595	4.10	558	9-69	35	988	-.04	35	55
91-70-5027	458503	136570	11-63	3 305	16,497	4.03	665	17 13,017	4.05	527	12-68	32	652	.02	29	41
91-70-5027	469928	136570	3-64	4 305	15,465	4.49	695	14 13,190	4.06	535	3-70	34	511	.11	34	41
91-70-5027	491390	136570	3-65	3 305	18,220	3.75	684	16 13,226	4.01	531	12-69	32	859	-.03	31	48
91-70-5027	496668	136570	5-66	2 305	17,415	3.77	656	17 13,835	4.07	563	2-70	29	626	-.02	23	35
91-70-5027	510684	136570	8-66	1 305	16,810	4.25	715	10 13,400	4.15	556	3-69	24	510	.05	27	36
91-74-0143	487875	131528	10-65	3 305	20,643	4.04	835	6 16,076	3.95	635	2-70	42	695	.02	31	44
91-74-0212	517731	131528	4-65	3 303	18,243	3.90	712	7 14,073	4.11	578	9-69	42	625	-.02	23	35
92-03-0048	470493	110030	12-62	2 305	20,585	3.90	803	27 13,915	4.02	559	12-68	34	1,016	-.04	36	56
92-05-5026	417914	132499	1-61	5 305	17,266	3.85	665	69 13,052	3.98	519	4-69	36	695	-.03	24	38
92-05-5026	423696	135099	4-61	4 305	16,095	3.91	630	76 12,442	3.99	497	12-68	35	684	-.02	25	38
92-05-5026	428107	122242	1-60	4 305	15,522	4.07	631	28 13,227	4.02	532	4-69	39	627	.00	25	37
92-05-5026	484289	135099	9-62	3 305	16,856	3.85	649	87 13,093	4.05	530	9-69	34	676	-.04	22	36
92-05-5026	507053	135099	7-66	2 295	17,205	3.86	664	97 13,410	4.00	537	11-69	31	635	-.04	21	34
92-05-5026	510451	135099	9-66	2 305	17,440	4.04	705	94 13,680	4.02	550	1-70	31	634	.00	25	37
92-05-5026	521584	135099	9-67	1 305	20,270	3.98	806	66 13,840	4.11	569	3-70	26	763	-.02	28	43
92-05-5026	525838	135099	12-67	1 305	18,390	4.22	776	91 13,810	4.06	561	2-70	26	602	.01	26	37
92-16-0109	475627	142817	4-64	3 305	21,720	3.91	850	23 15,363	3.98	612	1-69	32	939	-.01	36	54
92-16-0109	492943	142817	8-65	3 305	21,136	4.07	861	26 15,476	4.10	635	10-69	32	845	.01	35	51
92-23-0047	416192	118783	2-61	2 305	19,970	4.21	841	11 14,855	3.99	593	11-69	36	1,029	.04	47	66
92-23-0100	480826	135681	12-64	2 305	16,650	3.83	637	5 12,775	3.86	493	5-69	35	756	-.03	27	42
93-10-9286	474740	140023	2-64	2 290	18,675	4.21	787	21 14,725	3.95	581	11-68	31	589	.03	28	39
93-10-9286	481642	143430	5-65	2 302	19,200	4.46	856	14 14,545	4.02	584	11-68	29	698	.07	37	49
93-10-9286	503876	123323	1-63	2 303	17,670	3.88	686	19 14,775	4.01	593	11-68	39	695	-.07	19	34
93-19-9303	431913	122242	12-61	5 305	16,960	4.19	711	12 14,620	3.96	579	3-69	40	662	.03	30	42
93-19-9303	515466	122242	4-67	1 305	20,770	3.80	789	6 13,450	3.91	526	8-69	30	965	-.04	34	53
93-50-0222	504126	126555	8-65	2 291	15,010	4.18	628	8 13,210	3.85	509	9-69	39	662	.00	26	39
93-50-9598	461278	139783	8-63	5 305	18,790	3.84	722	29 14,388	4.25	612	3-70	36	717	-.08	18	34
93-50-9598	464149	142989	10-63	5 301	18,462	4.04	745	46 14,382	4.23	608	1-70	32	681	-.03	24	38
93-50-9598	466146	139783	2-64	4 305	18,327	4.05	743	32 13,987	4.28	599	7-69	35	675	-.04	22	36
93-50-9598	501183	122242	5-66	1 144	19,950	4.56	910	65 14,390	4.22	607	1-70 8	30	828	.04	38	53
93-50-9598	505367	118619	8-66	1 113	16,910	3.79	641	70 14,670	4.19	614	2-70 8	35	703	-.06	20	35

TABLE 6. MILKING SHORTHORN USDA-DHIA HIGH RANKING COWS.

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (L8)	FAT (%)	FAT (L8)	..HERDMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	DOL- LARS		
11-23-0026	300333	183510	6-62	2 305	12,295	3.47	427	16	7,985	3.67	293	10-68	34	506	-.05	14	\$ 25	
11-23-0026	319072	297126	8-65	2 300	12,935	3.71	480	15	7,685	3.75	288	10-69	25	635	.00	24	36	
13-03-0018	289560	79581	12-60	4 305	13,802	3.45	476	12	10,577	3.59	380	2-69	39	501	.03	22	31	
13-03-0018	324375	310748	11-65	1 305	15,280	3.46	529	20	10,620	3.54	376	3-69	19	449	-.02	15	24	
14-10-0011	278005	161052	6-59	3 305	11,810	4.15	490	11	9,933	3.82	379	1-70	34	350	.07	20	26	
14-10-0011	295866	161052	10-61	2 300	13,525	3.79	512	10	10,825	3.72	403	3-70	32	430	.03	19	27	
21-11-0035	330455	307425	1-67	1 305	12,230	3.52	431	8	8,670	3.75	325	8-69	19	326	-.02	10	17	
23-06-0046	243358	71726	2-57	8 299	12,541	3.67	460	10	9,555	3.61	345	12-68	36	492	.01	19	29	
23-06-0046	291221	229224	3-61	4 270	12,598	3.42	431	8	10,275	3.56	366	12-69	30	358	-.03	10	18	
23-06-0046	308002	181531	1-62	4 267	11,942	3.89	464	5	10,020	3.73	374	2-69	38	424	.03	19	27	
23-06-0046	309612	61368	9-63	2 305	14,325	3.41	489	15	10,970	3.50	384	9-68	34	403	-.02	13	21	
23-06-0046	318641	287030	5-64	2 280	12,065	3.62	437	12	9,165	3.55	325	8-69	25	357	.01	14	21	
23-37-0010	301418	79581	6-62	5 305	13,158	3.89	512	9	9,652	3.58	346	12-68	40	545	.11	32	41	
23-37-0010	331312	315378	9-66	2 305	15,410	3.67	566	12	11,690	3.82	446	2-70	25	492	-.02	16	26	
31-06-0687	309752	181531	10-63	5 305	13,896	3.97	551	7	10,308	3.87	399	3-70	39	673	.04	29	42	
31-06-0687	329911	309748	9-66	2 305	13,910	3.72	518	5	10,730	3.90	419	2-70	25	412	-.02	13	21	
31-19-0060	323427	280661	4-65	3 305	12,847	3.54	455	7	9,577	3.58	343	7-69	29	461	-.01	16	25	
31-19-0060	333106	195525	5-67	1 305	12,230	3.65	446	6	9,520	3.58	341	8-69	31	470	.01	18	27	
31-68-0375	313855	153672	11-63	2 297	11,290	3.71	419	9	8,955	3.58	321	5-69	32	322	.00	12	18	
31-68-0375	331594	195525	2-67	2 284	13,235	3.45	456	12	9,980	3.65	364	2-70	35	592	-.04	18	30	
31-68-0375	334858	228867	8-67	1 305	11,760	3.49	411	25	8,400	3.74	314	10-69	8	534	-.06	14	25	
32-85-9620	287102	260794	2-61	6 294	14,210	3.63	516	10	11,931	3.68	439	8-69	40	348	-.02	11	18	
32-85-9620	296489	253975	2-62	3 283	12,900	3.60	464	16	10,993	3.67	403	6-69	33	332	-.01	11	18	
32-85-9620	322828	312720	6-65	2 291	16,570	3.54	586	17	11,360	3.68	418	8-69	30	882	-.03	29	47	
32-85-9620	328324	304750	12-65	2 265	13,670	3.86	528	14	11,870	3.70	439	11-69	29	359	.03	16	23	
32-85-9620	329127	304750	7-66	2 287	14,070	3.70	520	13	11,200	3.67	411	9-69	29	479	.00	18	27	
32-85-9620	329129	304750	9-66	2 296	14,740	3.79	558	14	11,870	3.70	439	11-69	29	487	.02	20	29	
32-85-9620	334359	228867	11-66	2 287	13,770	3.61	497	22	11,930	3.74	446	11-69	35	477	-.05	12	22	
32-85-9620	334361	304750	3-67	2 299	15,875	3.73	592	12	12,210	3.71	453	1-70	29	586	.00	22	33	
32-85-9620	337240	304750	6-67	1 305	12,880	4.11	530	13	10,960	3.59	393	9-69	24	313	.06	18	23	
32-85-9620	337241	304750	12-66	1 305	19,370	3.50	678	10	12,800	3.70	473	3-69	24	746	-.03	24	39	
32-85-9620	337244	304750	8-67	1 238	15,520	3.34	518	12	11,840	3.61	428	10-69	24	478	-.04	14	24	
33-46-0440	260655	234319	11-58	8 291	12,291	3.39	417	7	10,593	3.61	382	11-69	35	348	-.05	8	16	
33-46-0440	290465	233921	10-60	2 303	13,685	3.71	508	9	10,530	3.58	377	1-69	34	435	.04	20	28	
33-92-0542	293322	260794	6-61	3 295	15,776	4.46	704	7	12,883	4.04	520	3-70	38	401	.10	25	31	
33-92-0542	293468	225278	3-61	2 305	16,640	4.08	679	12	13,650	4.18	570	12-69	29	451	.00	17	26	
33-92-0542	310180	181531	10-63	2 305	16,965	4.22	716	10	14,165	4.16	589	1-70	34	534	.04	24	34	
33-92-0542	311016	274165	1-64	2 305	16,150	3.93	635	9	12,775	4.13	527	10-69	30	486	-.02	16	26	
33-92-0542	334396	323482	8-67	1 305	18,290	4.01	733	12	14,730	4.15	612	12-69	19	384	.00	14	22	
35-11-0054	294876	231813	9-61	5 289	13,124	3.58	470	17	9,932	3.80	377	12-69	37	670	-.06	19	33	
35-11-0054	319818	278107	10-64	1 240	12,440	3.50	435	10	9,090	3.34	304	6-69	19	310	.00	12	18	
35-28-0070	305866	278101	11-62	3 284	12,250	3.32	407	19	9,616	3.61	347	1-70	32	356	-.05	8	16	
35-28-0070	319815	189693	10-64	2 305	12,905	3.67	474	24	9,795	3.59	352	10-69	35	356	.01	14	21	
35-49-0018	236127	192957	12-56	9 300	12,166	3.63	442	8	9,791	3.83	375	10-69	36	356	-.02	11	18	
35-49-0018	334658	299803	9-67	1 305	15,540	3.59	558	6	10,400	3.81	396	2-70	23	535	-.02	18	29	
35-49-0026	262588	219389	8-58	7 292	11,526	3.88	447	17	10,050	3.78	380	4-69	36	353	.02	15	22	
35-49-0026	275009	219389	8-59	6 303	12,143	3.59	436	18	9,700	3.80	369	10-69	36	491	-.03	15	25	
35-49-0026	324208	307857	9-65	2 296	14,465	3.56	515	6	10,830	3.88	420	3-70	25	471	-.04	13	23	
35-54-0029	289926	120013	1-61	2 305	13,375	3.51	470	18	9,870	3.61	356	2-69	34	431	.00	16	24	
35-54-0029	315025	289924	3-64	3 297	12,596	3.64	458	20	9,596	3.67	352	11-69	32	333	.00	12	19	
35-54-0029	328297	181531	4-66	1 305	13,530	4.12	558	24	8,740	3.68	322	10-68	29	574	.05	27	37	
35-54-0029	336793	323132	10-67	1 305	14,140	3.19	451	8	9,720	3.52	342	2-70	19	418	-.05	10	19	
35-54-0069	287678	153672	2-61	3 305	12,650	3.64	460	9	10,727	3.67	394	9-69	35	322	-.01	11	17	
35-54-0069	304267	153672	10-62	2 283	13,990	3.85	538	13	11,075	3.68	408	4-69	32	413	.02	17	25	
35-54-0069	304268	266173	12-62	3 301	11,713	3.99	467	10	10,030	3.72	373	10-69	31	346	.06	19	25	
35-54-0069	304270	266173	2-63	3 295	12,823	3.93	504	11	9,387	3.71	348	12-69	31	578	.05	27	37	
35-54-0070	312129	153672	3-63	3 287	12,357	3.58	442	14	9,977	3.66	365	11-69	35	372	-.02	12	20	
35-54-0070	314701	272008	10-63	3 293	11,640	3.59	418	9	9,270	3.68	341	10-69	33	341	-.02	11	18	
35-54-0070	314702	272008	9-63	3 301	13,576	3.15	427	9	9,546	3.66	349	12-69	33	566	-.10	11	24	
35-54-0070	319554	272008	9-64	2 305	15,855	3.63	575	8	10,125	3.64	369	3-70	30	712	-.01	25	39	
35-56-0041	303641	282433	11-62	4 301	11,775	3.69	434	7	9,890	3.80	376	11-69	35	317	-.03	9	16	
41-19-9174	302400	302366	11-62	4 302	14,805	4.03	597	13	12,762	3.72	475	4-69	35	381	.10	25	31	
41-19-9174	304968	304430	2-63	5 301	16,388	3.80	623	9	12,184	3.94	480	6-69	35	289	-.04	29	47	
41-19-9174	308868	304430	9-63	3 305	16,916	3.46	585	8	12,343	4.03	498	2-69	32	881	-.13	19	39	
41-19-9174	308871	304430	10-63	3 299	13,933	3.85	537	8	12,863	3.95	508	5-69	32	416	-.03	12	21	
41-19-9174	330484	311770	1-67	1 305	17,320	3.65	632	15	12,280	3.93	482	3-69	19	501	-.03	16	26	
41-24-9117	321122	301205	10-64	3 289	12,156	3.60	438	7	9,763	3.76	367	2-70	32	395	-.04	11	19	
41-24-9117	328461	301205	1-66	2 254	13,600	3.28	446	6	9,450	3.77	356	2-70	8	29	567	-.09	12	25
41-25-9139	323270	313022	2-66	2 295	14,350	3.62	519	7	11,430	3.53	403	3-70	29	339	.01	14	20	
41-25-9139	328681	304430	7-66	2 305	17,640	3.56	628	13	10,690	3.84	411	11-69	29	1,081	-.06	33	55	
41-25-9488	318874	195525	12-64	2 305	12,570	3.33	418	8	9,905	3.50	347	10-69	35	526	-.03	16	27	

TABLE 6. MILKING SHORTHORN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE NO. MILK (L8)	AVERAGES.. FAT (%)	FAT (L8)	LAST CALVO MO-YR	T C O	.....C O W MILK (L8)	I N O FAT (%)	E X..... FAT (L8)	..... OOL- LARS	
41-54-9017	329627	311284	9-66	2 288	16,000	3.54	566	16	10,775	3.73	402	11-69	25	671	-.04	21	\$ 35
41-54-9017	331905	311284	11-66	2 300	16,655	3.55	591	11	11,045	3.78	418	12-69	25	723	-.04	23	38
41-54-9017	331908	289286	11-66	2 277	13,475	3.74	504	5	11,730	3.69	433	4-70	32	322	.01	13	19
41-77-9195	337953	320857	3-68	1 305	16,520	3.40	561	11	13,500	3.47	468	1-70	19	321	-.02	10	17
41-77-9195	337955	311970	4-67	1 305	16,600	3.68	611	9	13,480	3.55	479	12-69	24	437	-.01	15	24
41-79-0233	313529	292879	2-64	2 305	11,915	3.73	444	14	9,095	3.66	333	1-69	29	441	.02	18	26
41-79-0233	328084	292879	10-64	2 299	13,470	3.62	487	20	9,845	3.63	357	12-69	29	548	.01	21	32
41-79-0233	328088	292879	1-65	2 289	11,190	3.91	438	24	9,355	3.63	340	9-69	29	325	.05	17	23
41-79-0233	328089	315375	12-65	2 295	13,025	3.76	490	15	9,705	3.61	350	2-70	29	400	.02	17	24
41-79-0233	337188	292879	1-65	2 305	14,420	3.75	541	28	9,525	3.62	345	11-69	29	697	.03	29	42
41-79-0233	337198	315375	1-67	1 305	13,560	3.47	471	11	9,920	3.62	359	12-69	24	332	-.02	10	17
42-14-9003	257434	221488	8-58	7 303	12,046	3.60	434	12	9,580	3.63	348	12-69	35	409	.01	16	24
42-14-9003	257435	221488	8-58	7 299	15,716	3.65	574	7	10,273	3.63	373	3-69	35	869	.02	34	51
42-14-9003	311178	275758	4-64	2 277	12,680	3.37	427	18	9,820	3.70	364	11-69	29	389	-.05	9	18
42-14-9003	326924	289251	9-66	1 305	14,660	4.13	605	18	11,060	3.60	398	5-69	19	353	.07	20	26
42-14-9003	326925	289251	9-66	1 305	13,950	3.79	529	31	9,200	3.72	342	9-69	19	444	.01	18	26
42-14-9003	329064	319307	12-66	1 305	13,790	3.81	526	28	9,130	3.69	337	9-69	22	539	.03	23	33
42-14-9003	329065	319307	11-66	1 305	12,840	3.93	504	20	9,700	3.66	355	6-69	22	406	.05	20	27
42-14-9003	333369	319307	2-67	1 305	13,250	3.55	471	16	10,940	3.59	393	5-69	22	342	.01	14	20
42-14-9003	335279	319307	9-67	1 304	11,460	3.76	431	28	9,130	3.69	337	9-69	22	327	.03	15	21
42-15-9003	314608	195525	7-64	3 304	13,866	4.13	572	7	11,573	4.07	471	2-70	38	533	.02	22	32
42-15-9003	318509	195525	11-64	3 304	13,760	3.90	537	6	11,716	4.05	475	3-70	38	504	-.02	17	27
42-15-9003	325097	228867	3-66	2 303	13,470	4.19	565	11	11,595	4.07	472	2-70	35	477	-.01	17	26
42-22-9063	271695	253683	10-59	7 301	13,804	3.59	495	11	10,357	3.65	378	1-70	39	498	-.01	17	27
42-22-9063	290079	253683	3-61	6 289	13,060	3.47	453	10	10,643	3.63	386	12-69	39	355	-.03	10	18
42-22-9063	301118	253683	11-62	4 305	12,920	3.65	472	12	10,380	3.68	382	11-69	37	352	.00	13	20
42-22-9063	323688	290965	11-65	2 305	14,340	3.76	539	19	10,745	3.72	400	9-69	25	465	.01	18	27
42-22-9063	334023	316562	8-67	1 305	14,660	3.66	537	17	11,410	3.70	422	11-69	19	323	.00	12	18
42-23-9007	297834	269476	12-61	5 287	11,914	3.68	438	6	9,280	3.70	343	1-70	35	424	.00	16	24
42-23-9007	298158	269476	5-62	4 305	12,505	3.57	446	6	8,957	3.73	334	6-69	34	536	-.03	17	28
42-23-9007	319621	269476	10-64	2 305	12,940	3.69	478	12	10,255	3.79	389	8-69	29	365	-.01	13	20
42-33-9210	311813	79581	2-64	3 301	12,066	3.67	443	7	8,913	3.53	315	3-70	38	445	.08	25	32
42-33-9210	317539	195525	10-64	2 292	12,570	4.01	504	9	9,085	3.63	330	11-69	35	607	.04	27	38
42-43-9010	317250	303727	9-64	3 303	12,326	3.78	466	10	10,156	3.89	395	2-70	33	390	-.01	13	21
42-43-9010	320220	303727	2-65	2 305	11,260	3.65	411	9	8,455	4.02	340	7-69	30	418	-.04	11	20
42-43-9010	322072	303727	6-65	2 305	11,715	3.88	455	11	8,660	4.01	347	8-69	30	450	-.01	16	25
42-43-9010	333848	317993	8-67	1 305	15,580	3.72	580	6	12,990	3.73	484	3-70	22	386	.02	16	23
42-43-9010	333849	317993	5-67	1 305	12,080	4.01	485	19	9,070	3.93	356	7-69	22	389	.03	18	25
42-43-9010	333854	317993	9-67	1 300	15,510	3.95	612	7	13,090	3.74	490	2-70	22	372	.04	18	25
42-43-9010	320731	290966	12-64	3 304	13,487	3.83	517	10	10,193	3.75	382	2-70	29	473	.02	20	29
42-56-9004	328653	304811	7-66	2 305	14,985	3.60	539	12	10,685	3.69	394	2-70	25	553	-.01	19	30
42-56-9004	328656	305879	10-66	2 297	13,380	3.88	519	10	11,020	3.67	404	1-70	25	312	.03	15	21
42-56-9004	334212	305879	7-67	1 305	15,160	3.60	546	9	10,890	3.66	399	2-70	19	415	.00	15	23
42-56-9004	334216	305879	6-67	1 305	12,870	3.40	437	8	9,250	3.49	323	10-69	19	337	-.01	11	18
42-57-0168	325259	295856	7-65	2 300	11,405	3.70	422	9	8,485	3.49	296	10-69	29	435	.02	18	26
42-57-0168	331417	295856	1-67	1 305	12,630	3.71	468	8	8,100	3.44	279	11-69	23	501	.02	21	30
42-57-0168	331421	295856	11-66	1 305	13,270	3.72	493	8	8,100	3.44	279	11-69	23	559	.02	23	34
42-57-0168	331422	295856	10-66	2 280	13,100	3.18	417	9	8,890	3.58	318	12-69	29	596	-.07	15	28
42-57-0168	331424	295856	12-66	1 305	15,140	3.36	509	8	8,100	3.44	279	11-69	23	728	-.03	24	39
42-57-0168	337126	295856	8-67	1 305	12,560	3.56	447	10	8,640	3.45	298	12-69	23	450	.00	17	26
42-71-9004	323280	195525	9-65	2 286	12,485	3.86	482	8	8,685	3.68	320	3-70	35	637	.01	25	37
43-35-9010	296212	232133	8-61	4 302	12,980	3.54	460	15	10,972	3.72	408	1-69	37	427	-.04	12	21
43-35-9010	309581	170851	10-63	3 305	15,170	3.72	565	17	12,703	3.53	449	3-70	36	356	.04	17	23
43-35-9010	315917	255156	4-64	3 303	13,256	3.95	523	21	10,900	3.65	398	12-69	34	370	.05	19	25
43-35-9010	315926	232133	5-64	3 296	12,923	3.55	459	23	10,733	3.63	390	6-69	35	431	-.03	13	22
43-35-9010	323891	232133	8-65	2 294	13,145	3.61	475	20	10,400	3.64	379	8-69	32	463	-.02	15	24
43-35-9010	329018	272215	8-66	2 305	14,340	3.51	504	13	11,260	3.69	415	12-69	33	408	-.04	11	20
43-35-9010	332554	304430	5-67	1 305	15,370	3.57	548	20	10,540	3.64	384	7-69	24	701	-.04	22	36
43-49-0035	224629	172342	11-55	6 303	13,072	3.89	508	13	11,053	3.92	433	11-69	32	337	.00	13	20
43-49-0035	308820	293041	5-63	3 305	14,846	3.64	541	11	11,020	3.97	438	11-69	32	530	-.04	15	26
43-49-0035	321986	293041	10-64	2 305	15,285	3.61	552	10	11,215	3.85	432	2-70	29	500	-.03	15	25
45-09-9007	295222	280708	11-61	5 292	12,628	3.50	442	8	11,554	3.45	399	1-70	35	406	-.02	13	21
45-29-9001	322886	309596	8-65	2 274	13,685	3.92	537	17	10,900	3.82	416	11-69	25	364	.02	16	23
47-01-0001	323903	272215	10-65	2 305	13,230	4.07	538	5	9,230	3.85	355	7-69	33	490	.03	21	30
47-01-0001	329918	290495	10-66	1 305	11,680	3.96	462	6	8,100	3.94	319	10-68	24	322	.01	13	19
47-20-9063	276520	219389	12-59	2 305	12,150	3.80	462	5	9,530	3.81	363	3-69	30	447	.00	17	26
47-21-0004	330740	301074	11-66	1 305	16,700	3.43	572	10	8,560	3.90	334	7-69	19	760	-.06	22	38
47-34-0014	272227	232133	8-59	7 302	11,354	3.63	412	9	8,824	3.73	329	9-69	38	481	-.02	16	26
47-34-9014	270268	232133	5-59	6 303	11,791	3.52	415	7	9,376	3.65	342	5-69	38	472	-.03	14	24
47-60-9074	321321	311719	9-65	2 279	11,590	3.79	439	8	8,325	3.84	320	1-70	25	392	.00	15	23
71-02-9005	298822	232133	4-62	5 300	14,178	3.48	494	17	12,360	3.49	431	11-69	38	429	-.02		

TABLE 6. MILKING SHORTHORN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT (L8) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT (L8) (%) (L8)	LAST T CALVD C MO-YR D	.....C O W REPT MILK FAT (%) (L8) (%) (L8)	I N D E X..... DOL- LARS
73-26-9001	326794	228867	9-66	2 305 13,995 3.44 482	13 11,100 3.64 404	10-69	35 584 -.06 15	\$ 28
73-26-9001	327286	312720	10-66	1 305 15,090 3.67 554	26 12,940 3.56 461	3-69	24 482 .00 18	27
73-26-9001	334680	312720	7-67	1 305 12,940 3.45 447	14 10,350 3.52 364	11-69	24 498 -.02 16	26
73-26-9036	296220	232133	12-61	5 305 12,452 3.29 410	14 9,548 3.56 340	8-69	38 546 -.06 14	26
73-26-9036	310868	296208	12-63	2 305 14,285 3.37 481	9 11,220 3.62 406	3-69	28 457 -.05 12	22
73-26-9036	326750	228867	6-66	1 305 13,160 3.87 509	10 10,730 3.67 394	4-69	31 477 -.02 16	26
73-66-0029	332578	228867	4-67	1 305 11,990 3.49 419	11 8,800 3.50 308	7-69	31 523 -.04 15	26
82-32-0123	252603	123099	11-57	5 305 14,070 4.04 568	6 9,336 3.59 335	12-69	36 691 .09 35	47
82-32-9123	328472	315377	10-66	1 305 14,170 3.41 483	7 10,950 3.58 392	4-69	19 315 -.03 9	16
86-01-9416	294151	181531	7-61	2 302 12,990 3.92 509	9 9,995 3.69 369	12-69	34 509 .04 23	32
91-10-0007	316614	195525	9-64	2 236 13,895 4.07 566	6 11,175 3.63 406	3-70 B	35 546 .05 26	36
91-10-0007	318217	195525	2-65	2 226 15,135 3.34 505	6 11,310 3.65 413	4-70 B	35 669 -.06 19	33
91-34-0193	299260	250463	3-62	1 281 13,310 3.70 493	6 7,560 3.76 284	2-69 H	19 524 .00 19	29
91-34-0193	333163	318395	7-67	1 305 14,580 3.49 509	9 8,520 3.92 334	2-70	22 632 -.04 19	32
91-34-0193	333882	318395	7-67	1 304 11,610 4.08 474	8 8,010 3.92 314	3-70	22 403 .02 17	25
91-34-0193	333884	318395	10-67	1 305 14,350 3.85 552	6 8,130 3.70 301	4-69	22 643 .02 26	38
92-20-5054	267049	234050	12-58	3 305 12,363 3.78 467	8 9,560 3.82 365	11-69	32 336 .00 13	20
93-48-0006	296529	253689	2-62	2 301 13,275 3.58 475	48 10,660 3.68 392	7-69	32 400 -.02 13	21
93-48-0006	302782	189693	7-62	2 284 14,835 3.32 492	31 11,590 3.60 417	4-70	35 391 -.04 10	18
93-48-0006	310435	176356	5-63	1 305 14,630 3.96 579	48 10,180 3.61 368	7-69	23 454 .05 22	30
93-48-0006	324144	176356	4-65	2 305 14,010 3.57 500	35 11,800 3.64 430	3-70	29 335 .00 12	19
93-48-0006	324147	176356	4-65	2 305 13,915 3.74 521	34 11,820 3.62 428	2-70	29 322 .03 15	21
93-48-0006	324148	295919	7-65	1 305 13,270 3.59 477	39 10,620 3.54 376	6-69	23 316 .00 12	18
93-48-0006	324851	176356	1-66	2 304 12,950 3.51 455	39 10,660 3.68 392	7-69	29 331 -.01 11	18
93-48-0006	328909	295919	4-66	2 305 13,865 3.38 468	30 11,695 3.66 428	3-70	29 349 -.05 8	16
93-48-0006	328921	290495	6-66	2 305 14,395 3.49 503	38 11,610 3.66 425	2-70	30 370 -.03 11	19
93-50-0579	329216	318356	8-66	2 210 13,660 3.64 497	9 11,030 3.54 391	3-70 B	25 346 .01 14	21

TABLE 7. LIST OF HERO-OWNERS.

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
11-10-0003	CENTURY ELM FARM INC. 1		LIVERMORE FALLS	04254	ME
11-10-0008	BRADFORD, ALBERT	R F O 1	TURNER	04282	ME
11-10-0010	HATCH, H. D. AND SONS		AUBURN	04210	ME
11-10-0011	HEMOND, ROLAND	R F O 2	MECHANIC FALLS	04256	ME
11-10-0015	LEAVITT FARMS 1	R O 2 ATT P.B.VARN	NORTH TURNER	04266	ME
11-10-0032	CASTONGUAY, C. AND SONS	R O 2	LIVERMORE FALLS	04254	ME
11-10-0033	STEVENS, MRS. FAITH	R F O 1	TURNER	04282	ME
11-10-0038	TORREY, GLEN W.	ROUTE 4 BOX 10B	AUBURN	04210	ME
11-10-0042	BARKER, TED		NORTH LEEDS	04263	ME
11-10-0089	VARNNEY, WARREN		TURNER	04282	ME
11-10-0111	BOTMA, A.	R F O 1	LISBON FALLS	04252	ME
11-10-0112	ROSS, NATALIE AND ALTHEA	R F O 3	FREEPORT	04032	ME
11-10-0182	MCNEAR, GERALD		NORTH LEEDS	04263	ME
11-10-0190	TRIPP, OWIGHT JR.	R F O 2	AUBURN	04210	ME
11-10-0193	FARRINGTON RIDGE FARM		NORTH LEEDS	04263	ME
11-10-0195	WHEELER, RAYMOND & ALICE	HIGH ST	RICHMOND	04357	ME
11-10-9001	ADDITON, ERNEST		GREENE	04236	ME
11-10-9005	BRIGGS, H. C. AND SON	R F O 1	TURNER	04282	ME
11-10-9013	KEENE, RAYMOND & MAURICE	NORTH RIVER ROAD	AUBURN	04120	ME
11-10-9021	WHITE, H. S. AND SONS	UPPER TURNER STREET	AUBURN	04210	ME
11-10-9028	CALOWELL, LAWRENCE	R F O	TURNER	04282	ME
11-10-9069	WATERMAN, ROBERT & DONAL		SABATTUS	04280	ME
11-11-0024	CORLISS AND SPLAN		SHERMAN MILLS	04776	ME
11-11-0035	RAND, BEVERLY P.		SHERMAN MILLS	04776	ME
11-11-9040	SHUR, JACOB		ISLAND FALLS	04747	ME
11-12-0014	MENS CORRECTIONAL CENTER	119 MALLISON STREET	SOUTH WINOHAM	04082	ME
11-12-0021	FLAGGY MEADOW FARM	ATT C E YOUNG R O	GORHAM	04038	ME
11-12-0022	SPRING BROOK FARM	GREELY ROAD	CUMBERLAND CENTER	04021	ME
11-12-0038	ZACHARIAS HOLSTEINS	31 EUREKA ROAD	FALMOUTH	04105	ME
11-12-0055	MINERAL SPRINGS FARM	ATT C W HALL R O 1	SOUTH WINOHAM	04082	ME
11-12-0064	RATHERWICK JERSEYS	ROUTE 3	FREEPORT	04032	ME
11-12-0065	ROSSBACH, JILL & WALTER	R O SNOWFIELD FARM	POWELL	04069	ME
11-12-0076	GOROON, ROBERT C. & SON	FINEVIEW FM R F O	GORHAM	04038	ME
11-12-0092	HARLEKEN FARM	ATT HAROLD PARSONS	NEW GLOUCESTER	04260	ME
11-12-9007	BENSON, A. H. JR.	R F O 2	GORHAM	04038	ME
11-12-9008	BLACK, HENRY W.		WEST BALDWIN	04091	ME
11-12-9026	LIBBY, W. G. AND A. W.		SEBAGO LAKE	04075	ME
11-12-9028	COLLEYER BROOK FARM 1	ATT. KENNETH TEELE	GRAY	04039	ME
11-12-9095	SILVER MAPLE FARM 2	R F D STATE ROAD	HARRISON	04040	ME
11-13-0036	BOWER, DONALD	R D	NEW SHARON	04955	ME
11-13-0041	BAILEY, KENTON	ROUTE 1	FARMINGTON	04938	ME
11-13-0048	ARCHER, ELWOOD & SON	R F O 2	FARMINGTON	04938	ME
11-13-0055	BODGUE, EARL	65 NORTH MAIN ST.	FARMINGTON	04938	ME
11-13-0060	HARDY, FRED	R F D 1	FARMINGTON	04938	ME
11-13-9035	FARRINGTON, E. AND SON	ROUTE 1	DRYDEN	04225	ME
11-13-9051	SILVER VALLEY FARMS	R F D	NEW SHARON	04955	ME
11-13-9062	BROWNING, OTIS	R F O 3	FARMINGTON	04938	ME
11-15-0012	PRIME, RALPH HD 1	ROUTE 5	AUGUSTA	04301	ME
11-15-0017	CLEMEOW FARMS HD. 1	R F D 1	MONMOUTH	04259	ME
11-15-0129	HIGGINS, BANE	R F D 2	WATERVILLE	04900	ME
11-15-0179	PERKINS, FRED V. HD. 1	R F D 4	AUGUSTA	04330	ME
11-15-9009	CLEARVIEW FARMS	BOX 315	WINTHROP	04364	ME
11-15-9011	VAUGHN, WILLIAM	LITCHFIELD ROAD	HALLOWELL	04347	ME
11-15-9041	PINE HILL FARMS	R F D 2	WATERVILLE	04900	ME
11-15-9078	CAVERLY, B. E. AND SONS	R F O 2	WATERVILLE	04900	ME
11-15-9115	CHICK ORCHARDS INC.	FARM 1	MONMOUTH	04259	ME
11-15-9116	DAKLANOS FARM 1		GARDINER	04345	ME
11-16-0024	HAWES, HERBERT & SONS IN		UNION	04862	ME
11-16-0030	JOHNSTON, LEDN		JEFFERSON	04348	ME
11-16-9006	HAGGETT, EBEN	R F O 1 BOX 95	NEWCASTLE	04543	ME
11-16-9027	LINITA FARMS	LINCOLN J. HAWES	UNION	04862	ME
11-17-0001	BENNETT BROTHERS	R F D	BUCKFIELD	04220	ME
11-17-0006	ALLEN, W. HENRY		HEBRON	04238	ME
11-17-0012	SMEDBERG, ROGER N.	R F O 1	SOUTH PARIS	04281	ME
11-17-0036	HOWARD, ARCHER AND SONS	R D 1	HARRISON	04040	ME
11-17-0053	DU-WAYNE FARM	R O	NORWAY	04268	ME
11-17-0080	MILLIGAN, SABON P.	STAR ROUTE	RUMFORD POINT	04279	ME
11-17-0087	HUNTER, JOHN A.	BOX 36	NORTH FRYEBURG	04058	ME
11-17-9015	SHAW FARMS	R F O 1	SOUTH PARIS	04281	ME
11-17-9032	CONANT, GLADYS E. & SONS	CONANT ACRES RD.	CANTON	04221	ME
11-18-0031	RACKLIFF, DAVID	R F D	HUOSON	04449	ME
11-18-0035	DUNIVAN, DRAL	R F O	DIXMONT	04932	ME
11-18-0059	CDBURN, PHILIP	R F D 1	CORINNA	04928	ME
11-18-0066	BUTTERS, WARREN G.	R F O 1	EAST CORINTH	04427	ME
11-18-0067	EATON, LINWOOD	R F D 1	EAST CORINTH	04427	ME
11-18-0088	HOWARD BROTHERS	R F O 2	DRRINGTON	04474	ME
11-18-0099	ROSELEGE FARMS INC.	R 1	BANGOR	04401	ME
11-18-0125	GOODELL, ROGER N.	BOX 346 R O 2	BANGOR	04401	ME
11-18-0136	VARNUM, REX	R F D 2	DOVER-FOXCROFT	04426	ME
11-18-0179	HESKETH, CHARLES E.	R F D 2	DOVER FOXCROFT	04426	ME
11-18-0180	ANDREWS, GOROON M.	PARK STREET	DOVER FOXCROFT	04426	ME
11-18-9002	UNIVERSITY OF MAINE	ROGERS HALL	ORONO	04473	ME
11-18-9003	UNIVERSITY OF MAINE	ROGERS HALL	ORONO	04473	ME
11-18-9004	UNIVERSITY OF MAINE	ROGERS HALL	ORONO	04473	ME
11-18-9060	VEAZIE, KENNETH		CORINNA	04928	ME

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
11-20-DDD2	CROCKETT, BURLEIGH S.	MIDDLE ROAD R D 1	FAIRFIELD	D4937	ME
11-20-DDD4	PRICE, EVERETT R & SON	RFD EAST RIDGE ROA	SKOWHEGAN	D4976	ME
11-20-DD37	BUSAR, COREY M. AND SON	R D	SAINT ALBANS	D4971	ME
11-20-DD41	WEBBER, GEORGE W.	R F D	SAINT ALBANS	D4971	ME
11-20-DD83	GRAZEMOOR FARM E. PATTEN		SAINT ALBANS	D4971	ME
11-20-D119	FRITH, MAYNARD	R F D	ATHENS	D4912	ME
11-20-9D15	DUNLOP, HERMAN	R F D 4	SKOWHEGAN	D4976	ME
11-20-9D66	WILLIAMS, HARVEY		NORTH ANSON	D4958	ME
11-21-DDD3	HUNTER, G. LEROY	R D 1	UNITY	D4988	ME
11-21-DD14	LARRABEE, NEWTON & SONS	R D 1	THORNDIKE	D4986	ME
11-21-DD18	PIPER, SEAVY A. AND SON	R D 1	TROY	D4987	ME
11-21-DD47	HOLMES, MRS. H. F.	39 WATER STREET	BELFAST	D4915	ME
11-21-DD52	WARD, FREDERIC	R D 2	THORNDIKE	D4986	ME
11-21-DD58	CLEMENTS, MRS ROLAND & SN	R F D 1	FRANKFORT	D4438	ME
11-21-DD8D	MITCHELL, ROGER L.	STAR ROUTE	UNITY	D4988	ME
11-21-DD87	HUSTUS, KENNETH L.	R D 2	THORNDIKE	D4986	ME
11-21-D1D6	CRANLAND FARM	R D 1	THORNDIKE	D4986	ME
11-21-D1D8	CLINTAR FARMS	KNOX RIDGE	THORNDIKE	D4986	ME
11-21-9DD7	INGRAHAM, JOHN W. & SON	R F D	THORNDIKE	D4986	ME
11-21-9D37	SPRINGDALE FARM	ROUTE 2	BELFAST	D4915	ME
11-21-9D48	HOLMES, J. S.	39 WATER STREET	BELFAST	D4915	ME
11-23-DD17	LAND-O-GREEN FARMS	DAVID LEAVITT RFD	ELIOT	D39D3	ME
11-23-DD23	COLE FARM DAIRY, INC.	R F D 3 FM 1	8IDDEFORD	D4DD5	ME
11-23-DD25	LORD, WILLIS A.	R F D	NORTH WATERBORO	D4D61	ME
11-23-DD26	NOYES, CHARLES E.	R F O	8ERWICK	039D1	ME
11-23-DD27	HARRIS, JOHN FARM 1	R F D 3	8IDDEFORD	D4DD5	ME
11-23-DD51	ROCK EM WHIP FARM	R F D 2	LIMERICK	D4D48	ME
11-23-0052	GAY, ROBERT	R F O 1	SACO	D4D72	ME
11-23-DD63	SARGENT, G. AND F.		ELIOT	D39D3	ME
11-23-DD64	LEARY, MILLARD AND SON	R F D 1	SACO	D4D72	ME
11-23-DD94	HARRIS, JOHN FARM 2	R F D 3	8IDDEFORD	D4DD5	ME
11-23-9D16	JOHNSON, CHESTER	WILSON ROAD	KITTERY	039D4	ME
11-23-9D33	FOURNIER, PAUL	800M ROAD	SACO	D4D72	ME
11-23-9D36	SHAW, HAROLD J.	R F D	SANFORD	04D73	ME
11-23-9D48	CASSETTE, GERARD	800M RD	SACO	04D72	ME
11-23-9D92	PIKE, ROBERT S.	RFD	CORNISH	D4D2D	ME
12-10-D1D6	SPAULDING YOUTH CENTER	DAIRY HERD	TILTON	03276	NH
12-10-0116	LACONIA STATE SCHOOL		LACONIA	D3246	NH
12-11-D1D2	CABOT, HENRY B.	RIVER ROAD	WALPOLE	D36D8	NH
12-11-01D7	ALDRICH, J. KIRK	ROUTE 1 BOX 71	WESTMORELAND	D3467	NH
12-11-D1D8	CHESHIRE COUNTY FARM		WESTMORELAND DEPO	03467	NH
12-11-D129	PLUMB, FRANCIS	MELLOW MEADOWS FAR	WALPOLE	D36D8	NH
12-11-D14D	PLEASANT VALLEY FARM		WINCHESTER	D347D	NH
12-11-D167	WELCOME LANE FARM	RICHARD E. STOUGHT	WESTMORELAND	D3467	NH
12-11-91D3	CRESCENT FARM 1	WENTWORTH RD	WALPOLE	D36D8	NH
12-11-9119	RICHARDSON, CHARLES T.	RICHARDSON ROAD	MARLBORO	D3455	NH
12-11-9121	BARRETT, PETER & DAVID	SUMMIT ROAD	KEENE	D3431	NH
12-11-9128	TENNEY, MR & MRS HARRY C	R F D 2	KEENE	D3431	NH
12-11-9176	CRESCENT FARM 2	WENTWORTH RD	WALPOLE	036D8	NH
12-12-0112	MARTIN, MILLARD	R F D 1	LANCASTER	D3584	NH
12-12-D115	ROGERS, WOODROW	SERENE ACRES	JEFFERSON	D3583	NH
12-12-D16D	DELABRUERE, DONALD	R F O	NORTON	D59D7	VT
12-12-D173	MARSHALL, A.J. & SONS	BOX 95	NORTHUMBERLAND	D59D5	NH
12-12-D174	IDENOT JERSEY FARM	ATT: WINSTON 8ANFI	NORTH STRATFORD	D359D	NH
12-12-91D1	FRIZZELL, EDWIN	R F O 1	COLEBROOK	03576	NH
12-13-D114	TOWNSEND, H. C. AND SON	STORRS HILL	LEBANON	03766	NH
12-13-D146	PUTNAM, WILLIAM AND SON		HAVERHILL	D3765	NH
12-13-D147	RITCHIE, GEORGE F.		HAVERHILL	03765	NH
12-13-D155	REED, GLEN FARM	R F D	NORTH HAVERHILL	D3774	NH
12-13-D166	THE ROCKS	R F D	LITTLETON	D3561	NH
12-13-0171	STIMSON, A. PAUL		LISBON	D3585	NH
12-13-D174	DENNIS, RALPH		ORFORD	03777	NH
12-13-D18D	CASTELLO, LUIGI J.		WOODSVILLE	D3785	NH
12-13-D2DD	WARO, H. NORMAN		MONROE	03771	NH
12-13-D2D1	BIRCHBROOK FARM	R F O	LISBON	03585	NH
12-13-D2D5	RECORD, WALTER L.		LYME	03768	NH
12-13-D2D8	MORRIS, ROBERT		HAVERHILL	D3765	NH
12-13-D21D	TULLAR, GEORGE		ORFORD	D3777	NH
12-13-D225	TULLAR, BERNARD		LYME	D3768	NH
12-13-0249	CLEAR DAY FARM	BOX 27A	LISBON	D3585	NH
12-13-9113	PATCH, WALLACE M. AND SO	BOX 27D	LEBANON	03766	NH
12-13-9117	KORPELA, JOHN AND SON	RFD 1	WEST LEBANON	D3784	NH
12-13-9154	STOODARD, GERALD A.		NORTH HAVERHILL	D3774	NH
12-13-9169	CLEMENT, DAVID	JOCKEY HILL FARM	LISBON	03585	NH
12-13-9181	WARO, LINFIELD		MONROE	03771	NH
12-13-9194	ROBIE, FREEMAN	R F O	PIERMONT	03779	NH
12-14-0155	OLD SPAULDING FARM	SPAULDING ST	MILFORD	03055	NH
12-14-0166	RICHARDS, ROLAND		MT VERNON	03057	NH
12-14-0174	KNOXLAND FARM	R F O 2	WEARE	03281	NH
12-14-0176	WHEELER, KARL F.	NASHUA ST WHEELND	MILFORD	03055	NH
12-14-91D3	HILLSBOUGH COUNTY FARM	BOX 42	GRASMERE	03046	NH
12-14-915D	CHESTNUT RIDGE FARM		AMHERST	03031	NH
12-14-9158	GREAT MEADOWS FARM	HERSEY FARM	NEW BOSTON	03070	NH
12-14-9173	CLARKS FARM	WORTHLY ROAD	MANCHESTER	03100	NH
12-15-01D5	N. H. STATE PRISON FARM	NO STATE ST	CONCORD	03300	NH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
12-15-0115	GRIMES, STANLEY F.	BUCK ST	SUNCOOK	03275	NH
12-15-0122	N. H. HOSPITAL FARM	105 PLEASANT STREE	CONCORD	03300	NH
12-15-0127	SANO BANK FARM	ATT ROBERT RUSSELL	CONTOOCCOOK	03229	NH
12-15-0148	OSBORNE, DAVIO L.	R F 0	PITTSFIELD	03263	NH
12-15-0151	MORRILL, JOHN H. AND SON	31 PENACOOK STREET	PENACOOK	03303	NH
12-15-0155	ASHLAND, NORMAN	ROUTE 8 CONCORD	LOUDON	03300	NH
12-15-0163	BARTLETT, STANLEY	R F 0 8	CONCORD	03300	NH
12-15-0164	JORDAN, WILLIAM T. & SON	KADOCKAOEE FARM RF	CONCORD	03301	NH
12-15-0188	MESSER, PETER	KING HILL FARM	NEW LONDON	03257	NH
12-15-9104	8LOOD, OR. ROBERT O.	CRYSTAL SPRING FAR	EAST CONCORD	03300	NH
12-15-9119	GREEN GOLD FARM	R F D 1	SUNCOOK	03275	NH
12-15-9126	KIMBALL, FRANK AND SON	R F 0 1	CONCORD	03301	NH
12-15-9169	KIMBALL, LLOYD	R F 0 2	PITTSFIELD	03263	NH
12-16-0101	BURWELL, CHARLES	HAMPTON FALLS RD	EXETER	03833	NH
12-16-0131	BODWELL, H. AND SONS		EAST KINGSTON	03827	NH
12-16-0149	JOHNSON, SAM & SONS		NORTHWOOD	03261	NH
12-16-0156	SCHWEIZER, H. H. AND SON		EAST KINGSTON	03827	NH
12-16-0161	PERRY, MARK R.	R F 0 2	EXETER	03833	NH
12-16-0162	STUART FARM	P O BOX 88	STRATHAM	03885	NH
12-17-0104	LEVEL ACRES FM E. RILEY	64 LITTLEWORTH ROA	DOVER	03820	NH
12-17-0107	PIERCE, WESLEY		CENTER STRAFFORD	03815	NH
12-17-0161	CARLSEN, EVERETT	MEETING HOUSE HILL	FARMINGTON	03835	NH
12-17-9115	FOWLER, H. E. AND SONS	SALMON FALLS ROAD	ROCHESTER	03867	NH
12-17-9130	UNIV OF NEW HAMPSHIRE	ATT OR H BOYNTON	DURHAM	03824	NH
12-17-9133	GREEN DREAM FARM	R F 0 2	DOVER	03820	NH
12-17-9135	UNIV OF NEW HAMPSHIRE	ATT DR HILTON8OYNT	DURHAM	03824	NH
12-17-9140	UNIV OF NEW HAMPSHIRE	ATT DR HILTON8OYNT	DURHAM	03824	NH
12-17-9145	SCRUTONS DAIRY FARM	R F 0 2	ROCHESTER	03867	NH
12-18-0106	BASCOM, HARVEY	GRAYOAWN FARM	ALSTEAD	03602	NH
12-18-0108	BASCOM, HORACE	HEMLOCK ROAD	CHARLESTOWN	03603	NH
12-18-0116	PEACHBLOW FARM		CHARLESTOWN	03603	NH
12-18-0124	SULLIVAN, FRED & SHIRLEY	BROKENRIDGE FARM	CORNISH FLAT	03746	NH
12-18-0159	PUTNAM, ETHEL & SONS		CHARLESTOWN	03603	NH
12-18-0162	PUTNAM, FRED	R F 0 2	CLAREMONT	03743	NH
12-18-0181	GELEWSKY, STANLEY		CHARLESTOWN	03603	NH
12-18-0194	NEWTON, LEON F.	R F D 1	ALSTEO	03602	NH
12-18-0197	SIMMONS, ROLAND T. & SON	R F 0	CHARLESTOWN	03603	NH
12-18-9113	HOLMES FARM	R F D	ALSTEAD	03602	NH
12-18-9156	GOWEN, GORDON H.		ALSTEO	03602	NH
12-18-9165	RUNNALS, GEORGE A.	R F D 2	WINDSOR	05089	VT
12-18-9168	READ, MR & MRS ALBERT	R F D 2	WINDSOR	05089	VT
12-18-9178	MERRELL, DANA		ALSTEAD	03602	NH
12-18-9208	HIGH VIEW CHURCH FARM		EAST LEMPSTER	03606	NH
13-01-0004	SMITH, LANGDON G.	R F 0 1	NEW HAVEN	05472	VT
13-01-0144	BARNES, EDWARD AND SONS	R D 1	VERGENNES	05491	VT
13-01-0149	MUNDY, ROBERT	R O 1	FERRISBURG	05456	VT
13-01-0211	GIBEAULT, RAYMONO		SHOREHAM	05770	VT
13-01-0214	OU80IS GEORGE & MADELEIN		SHOREHAM	05770	VT
13-01-0220	HORNBECK, CHARLES		ORWELL	05760	VT
13-01-0275	GINGRAS, BERNARO	FAIRDALE FARM R O	MIDDLEBURY	05753	VT
13-01-0340	FARNHAM + ORVIS		SHOREHAM	05770	VT
13-01-0341	DOXTER, LEODORE	R O 2	VERGENNES	05491	VT
13-01-0347	SAUNOERS, LEE W.	R O 2	BRISTOL	05443	VT
13-01-0365	PARTRIDGE BROTHERS	R F D	ORWELL	05760	VT
13-01-0366	KNEE-DEEP FARM	R O 1 WHITCOMB WM	VERGENNES	05491	VT
13-01-0410	HALLOCK, K. B. AND D. W.		VERGENNES	05491	VT
13-01-0412	HUESTIS, DANIEL		BRIDPORT	05734	VT
13-01-0417	PAYNE, E. B. AND R. G.	R F 0	BRIDPORT	05734	VT
13-01-0418	PRATT, WILBUR		VERGENNES	05491	VT
13-01-0422	SMITH, GUY E. & SONS FM		VERGENNES	05491	VT
13-01-0423	SMITH, GUY E. & SONS FM	R D 1	VERGENNES	05491	VT
13-01-0601	8EOFFORD, H. WARO	R O 2	MIDDLEBURY	05753	VT
13-01-0613	WRIGHT, DAVIO	R 3	MIDDLEBURY	05753	VT
13-01-0620	SEVERY, JUDSON & DORIS	CORNWALL - R O 2	MIDDLEBURY	05753	VT
13-01-0728	NORRIS, VERNICE		BRISTOL	05443	VT
13-01-0808	LARRABEE, W. C. AND V. S		SHOREHAM	05770	VT
13-01-0816	NICKERSON, ROY & DONNA	PERSTEIN FARM	ORWELL	05760	VT
13-01-0827	QUESNEL, VICTOR		WHITING	05778	VT
13-01-0920	TORREY, MERTON & STEVEN	R O 1	VERGENNES	05491	VT
13-01-9022	FORO, ROBERT R.	FOROHAVEN FARM RFD	NEW HAVEN	05472	VT
13-01-9137	BLAKELY, DONALD	R F D 1	ORWELL	05760	VT
13-01-9202	AUOET, LEANDRE		ORWELL	05760	VT
13-01-9203	AUDET, MAGLOIRE		ORWELL	05760	VT
13-01-9212	SCAPELANO FARM		WHITING	05778	VT
13-01-9260	POCANTICO FARM		SHOREHAM	05770	VT
13-01-9274	MALZAC, G. & M.		SHOREHAM	05770	VT
13-01-9313	ROADS END FARM	R O	VERGENNES	05491	VT
13-01-9323	SHERMAN, ROBERT P. JR.		NEW HAVEN	05472	VT
13-01-9337	TELGEN, WILLIAM	R R	SHOREHAM	05770	VT
13-01-9351	SAWYER, GERALD	R D 3	MIDDLEBURY	05753	VT
13-01-9406	CLARK, ERWIN A.	R F D 1	VERGENNES	05491	VT
13-01-9411	HOWLETT, C. H. AND T. C.	R F D	BRIDPORT	05734	VT
13-01-9428	WOOD, ROLAND		BRIDPORT	05734	VT
13-01-9534	PURINTON, ROBERT	STAR ROUTE	BRISTOL	05443	VT
13-01-9543	WEEKS SCHOOL		VERGENNES	05491	VT

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . . A D D R E S S O F O W N E R			
		STREET OR ROUTE	TOWN	ZIP-CODE	STATE
13-01-9907	DEERWOOD FARM	ROUTE 125	BRIDPORT	05734	VT
13-02-0001	BEALS, HARRY JR.	R F O 1	POWNA	05261	VT
13-02-0025	LEAKE, RICHARD 3RD	WOODFORD ROAD	BENNINGTON	05201	VT
13-02-0066	SCHURINK, HENRY	R F O	SHAFTSBURY	05262	VT
13-02-0071	KELLY, JOHN T.	R F O 1	EAGLE BRIDGE	12057	NY
13-02-0085	FAIRDALE FARM 1 INC	WEST ROAD	BENNINGTON	05201	VT
13-02-0089	SHADOWBROOK FARM	BOX 767	BENNINGTON	05201	VT
13-02-0105	STEELE, HENRY & JOHN		PAWLET	05761	VT
13-02-9012	FAIROALE FARM 2 INC.	WEST ROAD	BENNINGTON	05201	VT
13-02-9017	HALL FARM		NORTH BENNINGTON	05257	VT
13-02-9041	POLYMEADOWS FARM		SOUTH SHAFTSBURY	05262	VT
13-02-9099	ZECHER, I. STANFORD JR.	R F O	EAST DORSET	05253	VT
13-03-0018	WILDER FARM		LYNDONVILLE	05851	VT
13-03-0055	SIMPSON, BERNARD		SUTTON	05867	VT
13-03-0059	BEAN, CARROLL		WEST BURKE	05871	VT
13-03-0144	PECK, RONALD	80X 36	OANVILLE	05828	VT
13-03-0173	PAGE, HOWARD		GROTON	05046	VT
13-03-0211	WHITE, REGINALD		RYEGATE	05042	VT
13-03-0223	PEARL, MERWYN		BARNET	05821	VT
13-03-9027	BEAN, LEO	R R 1	SAINT JOHNSBURY	05819	VT
13-03-9053	SIMPSON, DONALD		SUTTON	05867	VT
13-03-9058	HALL, FOREST	80X 19 R F D 1	GLOVER	05839	VT
13-03-9120	RICKER, GEORGE		GROTON	05046	VT
13-03-9169	SEYMOUR, GORDON H.	EVELON FARM	SUTTON	05867	VT
13-03-9331	WARO, KENNETH E.	R F D	SAINT JOHNSBURY	05819	VT
13-03-9338	LANGMAIO, HUGH	R F D 3	SAINT JOHNSBURY	05819	VT
13-04-0008	HEINS, JOHN	R F D 2	BURLINGTON	05401	VT
13-04-0119	VARNEY, HARRY	R F D	CHARLOTTE	05445	VT
13-04-0145	BENNETT, ROGER AND DOUG	R F D	RICHMOND	05477	VT
13-04-0173	BUSHEY, RANDALL FARM 2		ESSEX JUNCTION	05452	VT
13-04-0199	BUSHEY BROS. FARM 3		ESSEX JUNCTION	05452	VT
13-04-0203	BUSHEY BROTHERS FARM 1	R F O 1	WILLISTON	05495	VT
13-04-0204	CHAPMAN, MARVIN	R F D	WILLISTON	05495	VT
13-04-0205	CLARK, MARVIN	R F O	WILLISTON	05495	VT
13-04-0206	CONANT, MRS. R. M.	R F D	RICHMOND	05477	VT
13-04-0208	FONTAINE, RAYMOND	R F D	WILLISTON	05495	VT
13-04-0225	SWEENEY, R. L.	R F O	MILTON	05468	VT
13-04-0420	QUESNEL, HERMAN	R F O	HUNTINGTON	05462	VT
13-04-0443	KALI YUGA FARM 1	R D 1	HINESBURG	05461	VT
13-04-0449	OIKE, HENRY		NORTH FERRISBURG	05473	VT
13-04-9115	SHELBURNE FARMS		SHELBURNE	05482	VT
13-04-9154	BERARD FARM 1	101 ETHAN ALLEN RD	SO. BURLINGTON	05401	VT
13-04-9186	UNDERHILL FARM		UNDERHILL CENTER	05490	VT
13-04-9501	VT AG EXP STA S. GIBSON	DAIRY BUILDING U V	BURLINGTON	05401	VT
13-04-9502	VT AG EXP STA S. GIBSON	DAIRY BUILDING U V	BURLINGTON	05401	VT
13-06-0006	GATES, CHARLES & HUGH		FRANKLIN	05457	VT
13-06-0111	HUBBARO, GEORGE F.	R O 1	SAINT ALBANS	05478	VT
13-06-0126	VALLEE, R. L.	R O 1	SAINT ALBANS	05478	VT
13-06-0127	VIENS, OLIVA	R O 1	SWANTON	05488	VT
13-06-0216	SUNSET VIEW FARM	R. D. 2	ENOSBURG FALLS	05450	VT
13-06-0314	HULL, WENOALL	R O 2	ENOSBURG FALLS	05450	VT
13-06-0360	SEARS, DARWIN	R D 3	ST ALBANS	05478	VT
13-06-0399	CARPENTER, JOHN & BETTY	R O FARM 1	ENOSBURG FALLS	05450	VT
13-06-0455	SWEET, ERNEST & CATHERIN	R F O	EAST FAIRFIELD	05448	VT
13-06-0476	MAYOTTE, DAVID & BARBARA	R F O 2	EAST FAIRFIELD	05448	VT
13-06-0492	GASTON, BEGNOCHE		MONTGOMERY CENTER	05471	VT
13-06-0503	CONGER, NEIL		ST ALBANS	05478	VT
13-06-0621	HAWLEY, BRIAN	R.O.1	SWANTON	05488	VT
13-06-9109	GUAY, BERNARD	RD 3	SAINT ALBANS	05478	VT
13-06-9130	DUNSMORE, DR. MURRAY	R O 1	SWANTON	05488	VT
13-06-9219	TULIP, DR. HENRY T.	R O 2	SAINT ALBANS	05478	VT
13-06-9615	ELLIOTT, BRYCE & JAN	80X 157	ST. ALBANS BAY	05481	VT
13-08-0012	JONES, ROBERT	R O	HYOE PARK	05655	VT
13-08-0022	WARE, JOHN		STOWE	05672	VT
13-08-0040	KEITH BROTHERS		MORRISVILLE	05661	VT
13-08-0122	WHITAKER, HOWARD & AROEL		HYOE PARK	05655	VT
13-08-0125	GATES, GORDON HERO 1		CAMBRIDGE	05444	VT
13-08-9051	HUNT, WILBUR & VICTOR		JEFFERSONVILLE	05464	VT
13-08-9052	MOWRY, LEWIS		MORRISVILLE	05661	VT
13-08-9053	TRASK, FREDERICK JR.		CAMBRIDGE	05444	VT
13-08-9146	MAXHAM, J. ALLEN	JAM HOLSTEIN FARM	JOHNSON	05656	VT
13-09-0003	BUTTON, ARTHUR		CHELSEA	05038	VT
13-09-0008	HOWE, SYLVESTER		TUNBRIDGE	05077	VT
13-09-0106	LEETE, D. AND S.		WELLS RIVER	05081	VT
13-09-0130	CHASE, CLARENCE	BROCKLEBANK FM RFO	TUNBRIDGE	05077	VT
13-09-0133	CARPENTER, CONRAD	R F O	RANDOLPH CENTER	05061	VT
13-09-0134	STOCKING, DONALD	R F D	FAIRLEE	05045	VT
13-09-0139	HOOGDON, PERRY & CAROL	R F O	RANDOLPH	05060	VT
13-09-0148	BROWN, FRANK H. JR.	R F D 1	BRAOFORD	05033	VT
13-09-0162	APPLETON, K. W. AND SONS	FARM 2	BRAOFORD	05033	VT
13-09-0167	SMITH, DONALD A.	R F D	RANDOLPH CENTER	05061	VT
13-09-0168	LAMSON, DAVID J.	R F D 2	RANDOLPH CENTER	05061	VT
13-09-0173	WINTERS, PHILIP	R F D 1	WILLIAMSTOWN	05679	VT
13-09-0181	CLARK, CHARLES JR.	NORTHFIELD ROAD	WILLIAMSTOWN	05679	VT
13-09-0184	STEVEY, MELVIN J.	R D 1	ELY	05044	VT

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
13-09-0191	OICKIE, KATHLEEN & LOGAN		HAVERHILL	03765	NH
13-09-0208	GILMAN, DAVID		CHELSEA	05038	VT
13-09-0218	PETERS, FRANK		BRAOFORD	05033	VT
13-09-0244	SLACK, ALOEN B. AND SON	STAR ROUTE	BRAOFORD	05033	VT
13-09-0248	PAGE, GERALD R.		WELLS RIVER	05081	VT
13-09-0252	SUNSET HILL FM2 DCSTEVEN	TERRACE ROAD R O 1	WELLS RIVER	05081	VT
13-09-0258	APPLETON, K. W. AND SONS	FARM 1	EAST CORINTH	05040	VT
13-09-0307	HODGE, HERBERT & BEVERLY		FAIRLEE	05045	VT
13-09-0314	ROBINSON BROTHERS		SHARON	05065	VT
13-09-0324	OUNLOOKIN FARM		BRAOFORD	05033	VT
13-09-0325	PALMER, ARTHUR F.	BOX 66	NORTH THETFORD	05054	VT
13-09-0403	BURBANK, LYMAN		CHELSEA	05038	VT
13-09-0420	SLACK, CHARLES & PAULINE	RFO 2	RANDOLPH CENTER	05061	VT
13-09-0517	NEEOLES EYE FARM		TUNBRIDGE	05077	VT
13-09-0520	ROGERS, REEVE	ROGERS HILL	TUNBRIDGE	05077	VT
13-09-0538	ROBINSON, RALPH		STRAFFORD	05072	VT
13-09-0728	ABBOT, HARTWELL	STAR ROUTE	RANDOLPH CENTER	05061	VT
13-09-0736	SPAULDING, J. H. & B. S.	R F D 1	SOUTH ROYALTON	05068	VT
13-09-0737	BRAINSTORM FARM	R F D 2	RANDOLPH	05060	VT
13-09-0817	DROWN, ARTHUR		WASHINGTON	05675	VT
13-09-9005	HOWE, JAMES K. & SON	ATT CHARLIE J. HOW	TUNBRIDGE	05077	VT
13-09-9006	HOWE, JOHN		TUNBRIDGE	05077	VT
13-09-9010	HUTCHINSON FARM		TUNBRIDGE	05077	VT
13-09-9013	TUCKER, ROBERT		TUNBRIDGE	05077	VT
13-09-9169	VERMONT TECH COLLEGE	HOLSTEIN HERO	RANDOLPH CENTER	05061	VT
13-09-9193	LINDSTROM, BRENT & CAROL	CAR-O-LIN FARM	TUNBRIDGE	05077	VT
13-09-9201	AVERY, ALBERT S.		WEST TOPSHAM	05086	VT
13-09-9204	BURGESS FARM A&K BURGESS		BRAOFORD	05033	VT
13-09-9216	METCALF, BRYCE	R O 1	EAST CORINTH	05040	VT
13-09-9224	TYLER FARMS		WEST NEWBURY	05085	VT
13-09-9251	DEVINS BROTHERS		BRAOFORD	05033	VT
13-09-9305	GEORGE, GORDEN	R F D 1	ELY	05044	VT
13-09-9311	MALLARY FARM	R D 1	BRAOFORD	05033	VT
13-09-9409	EDWARDS, A. & SONS		CHELSEA	05038	VT
13-09-9427	PINEVILLE FARM	R F D	RANDOLPH CENTER	05061	VT
13-09-9532	RUSSELL, S. F. AND P. C.		TUNBRIDGE	05077	VT
13-09-9707	BLAISOEEL, WARREN G.	R F D 2	RANDOLPH	05060	VT
13-09-9747	CAMP, LAWRENCE G.		EAST RANDOLPH	05041	VT
13-09-9802	CHURCHILL, ROBERT	R F O	BROOKFIELD	05036	VT
13-09-9808	MONTYS RANCH	R F D 1	RANDOLPH	05060	VT
13-10-0033	MARTIN, ROGER & PATRICIA		CRAFTSBURY COMMON	05827	VT
13-10-0036	OUNBAR, HERBERT & SON		CRAFTSBURY	05826	VT
13-10-0040	POULIN, GASTON		NORTH TROY	05859	VT
13-10-0042	WHEELER, MELVIN & IRENE	JAYVIEW FARM R O 1	NORTH TROY	05859	VT
13-10-0307	MAXWELL, MAURICE & LOIS	R O 1	NEWPORT	05855	VT
13-10-0335	ROBILLARO, JOSEPH & MARI	DERBYVIEW FARM R D	NEWPORT	05855	VT
13-10-0341	BLY, EDWARD & THELMA		EAST CHARLESTON	05833	VT
13-10-0351	MAXWELL, DALE	R D 1	BARTON	05822	VT
13-10-0372	LEBLANC, GABRIEL & JEANN		BARTON	05822	VT
13-10-0395	WHITAKER, G.L. & C.M.		WEST GLOVER	05875	VT
13-10-0404	LUMSDEN, LEE		HARDWICK	05843	VT
13-10-0416	LAMARCHE, CLAUDE & CARM		IRASBURG	05845	VT
13-10-9004	OURGIN, HARRY F.	SUNSET DRIVE R F O	WEST CHARLESTON	05872	VT
13-10-9009	JORDAN, DR. C. A.		MORGAN CENTER	05854	VT
13-10-9027	PETIT, EDMOND	R D 2	NEWPORT	05855	VT
13-10-9035	CHAMBERLIN, RUPERT	R F O	BARTON	05822	VT
13-10-9049	NELSON, DOUGLAS	R D 2	NEWPORT	05855	VT
13-10-9315	DAIGLE, YVES AND HILDA		WESTFIELD	05874	VT
13-10-9321	PETIT, ROBERT	R D 2	NEWPORT	05855	VT
13-10-9350	LEBLANC, RAYMOND&SUZANNE	BURTON HILL FARM	BARTON	05822	VT
13-11-0107	CONGOON BROTHERS		NORTH CLARENDON	05759	VT
13-11-0116	MILLS, ALBERT O.		FLORENCE	05744	VT
13-11-0118	PRATT BROTHERS		NORTH CLARENDON	05759	VT
13-11-0132	KIMBALL, DEXTER	OLD TOWN FARM RO RO	BRANDON	05733	VT
13-11-0203	DAVENPORT, JAMES & SON	R F O	WALLINGFORD	05773	VT
13-11-0312	MASON, ROBLEE	R F O	PAWLET	05761	VT
13-11-0317	PARKER, ELUID		SOUTH GRANVILLE	12832	NY
13-11-0324	PARKER, ELON		GRANVILLE	12832	NY
13-11-0357	CRESSY, CLIFTON & D.R.	R D 1	FLORENCE	05744	VT
13-11-0389	WY-RO MAPLE LANE FARMS		MIDDLETOWN SPRING	05757	VT
13-11-0402	BUXTON, HENRY		MIDDLETOWN SPRING	05757	VT
13-11-0406	PURPLE OELL FARM	ATT L MASHAK BOX 2	FAIR HAVEN	05743	VT
13-11-0429	AYERS, EASON	R F O	WHITEHALL	12887	NY
13-11-0436	PERRY, WALTER C. HERO 1		HAMPTON	12837	NY
13-11-0438	MCGANN, ROY	RO 1	POULTNEY	05764	VT
13-11-0445	COMBS, LYLE	BOX 50	WELLS	05774	VT
13-11-9108	CREED, R J AND SONS FM 1	R F D	RUTLAND	05700	VT
13-11-9120	THOMAS, ORIN A. & SONS	ROUTE 1	RUTLAND	05701	VT
13-11-9121	WEEKS, WM A & LIPMAN, J	SKYWAY FARM	NORTH CLARENDON	05759	VT
13-11-9217	STAFFORD, FRANK&VIRGINIA	R F O	WALLINGFORD	05773	VT
13-11-9245	HEPBURN, FREDERICK O.	R F O 1	WALLINGFORD	05773	VT
13-11-9255	CLARK, LAWRENCE D.		WEST PAWLET	05775	VT
13-11-9424	LEWIS, A. C. & EDWARD A.	TIDY HILL FARM R F	POULTNEY	05764	VT
13-12-0001	HOWES, BRIAN & BRENDA	R F O 1	MORETOWN	05660	VT
13-12-0014	NEILL, ELWIN A.	ROUTE 1	MORETOWN	05660	VT

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET DR ROUTE	TOWN	ZIP-CODE	STATE
13-12-DD85	ABBOTT, KNIGHT AND RUTH	BOX 22	CABDT	05647	VT
13-12-0108	DODGE, GEORGE	R F D 3	BARRE	D5641	VT
13-12-0115	GOULD, RICHARD		MARSHFIELD	05658	VT
13-12-D154	BLAISDELL, CARLTON	R F D	WEST DANVILLE	D5873	VT
13-12-D159	ACKERMAN, ALBERT		CABOT	05647	VT
13-12-0174	WHITE, NELSON & VELMA		WEST DANVILLE	05873	VT
13-12-D181	HALL, JOHN & DDNNA	R F D	EAST MONTEPELIER	D5651	VT
13-12-D244	JOSLIN, EUGENE H.	UPPER TERRACE STRE	MONTEPELIER	D5602	VT
13-12-0313	LANE, BRADFORD	R F D 1	MONTEPELIER	05602	VT
13-12-9110	FARNHAM, CARRDLL		PLAINFIELD	D5667	VT
13-12-9114	MOLLY BROOK FARMS		WEST DANVILLE	05873	VT
13-12-9218	VERMONT STATE HOSPITAL		WATERBURY	D5676	VT
13-12-9246	ERNSTDF, MILTON	PERRY HILL FARM R	WATERBURY CENTER	D5677	VT
13-12-9254	MAC-NOBLE FARMS INC.		EAST MONTEPELIER	D5651	VT
13-12-9301	BOSKI AND ARONSON	ROUTE 2	NORTHFIELD	05663	VT
13-12-9337	BOUCHARD, PAUL & LOUISE	R F D	PLAINFIELD	D5667	VT
13-13-0D15	MILLER, P.E. & J. M.		VERNON	D5354	VT
13-13-0D18	PUTNEY SCHOOL, INC.	LAURENCE TITUS MGR	PUTNEY	D5346	VT
13-13-0D19	RANNEY, GEORGE	R F D	PUTNEY	D5346	VT
13-13-0061	RANNEY, ISABELLE S.	R F D	PUTNEY	D5346	VT
13-13-D1D7	DUNKLEE, ALFRED A.		VERNON	D5354	VT
13-13-9131	SOUTH MOWING FARM	R F D 4	WEST BRATTLEBDRO	053D1	VT
13-13-9312	JANEWAY, EDWARD		LONDONDERRY	D5148	VT
13-14-D1D8	MCCLARY, MARY M.	BOX 64	WINDSOR	D5D89	VT
13-14-D142	GREEN ACRES FARM 1	BOX 114	NORTH HARTLAND	05052	VT
13-14-0143	LEWIS, MRS TERESA B.	R F D 1	WOODSTOCK	D5D91	VT
13-14-0149	BISHOP FARM INC 2	R F D	SPRINGFIELD	D5156	VT
13-14-D166	DODGE, GEORGE M.	STAR RDUTE	SOUTH ROYALTON	D5D68	VT
13-14-017D	EDDY, STEPHEN H.	R F D 3	BETHEL	D5032	VT
13-14-D173	ADAMS BROTHERS	R D 1	CHESTER	D5143	VT
13-14-0180	MOSMAN, D. F.	R F D	SPRINGFIELD	05156	VT
13-14-D195	KETCHUM, FRANCIS & RDBER		STOCKBRIDGE	D5772	VT
13-14-D214	QUINN, FORREST	R F D	WOODSTOCK	05091	VT
13-14-D223	BISHOP FARM INC 3	R F D	SPRINGFIELD	05156	VT
13-14-D316	LEWIS, ORA	R F D 2	WOODSTOCK	D5D91	VT
13-14-D419	EASTMAN, HAROLD	R F D	QUECHEE	D5D59	VT
13-14-0524	MARTIN FARMS		ROCHESTER	D5767	VT
13-14-9117	SYNDICATE FARM HERD 1	RR1 BOX 56	PROCTORSVILLE	D5153	VT
13-14-9154	GERMAIN, LEONARD L	R F D	SPRINGFIELD	D5156	VT
13-14-9158	HUNTLEY, T.L.&E.J.&SONS	R F D 2	SOUTH ROYALTON	05068	VT
13-14-9160	BIGELOW, DON	RFD 3	BETHEL	D5D32	VT
13-14-9201	HARVEY BRDS ATT R HARVEY		ROCHESTER	D5767	VT
13-14-9202	BILLINGS FARM		WOODSTOCK	D5D91	VT
13-14-9205	CONKLIN, ALBERT E.	ROUTE 1 BOX 12B	WOODSTOCK	D5D91	VT
13-14-92D8	GALAXY HILL FARM		NORTH POMFRET	D5D53	VT
13-14-9212	LEXINGTON FARM	ATT E H LOCKE	READING	D5D62	VT
13-14-93D3	BALLA MACHREE FARM	R F D 2	SOUTH ROYALTON	D5D68	VT
13-14-9329	MAPLEW FARM		WHITE RIVER JUNCT	D5D01	VT
13-14-9416	MAXFIELD, M. B. AND SDNS		NORTH HARTLAND	D5D52	VT
13-14-95D8	HUNT, JOHN R.		RDCHESER	05767	VT
13-14-9513	SEVERY, MERL AND JOYCE		ROCHESTER	05767	VT
14-10-DDD1	HALE BROTHERS	SUNSET FARM 2	TYRINGHAM	D1264	MA
14-10-D0D8	PULPIT ROCK FARM	916 E. NEW LENOX R	PITTSFIELD	D12DD	MA
14-10-0D23	WILCOX, WARREN	R F D	CANAAN	D6018	CT
14-10-0D26	WILCDX, WARREN R.	R F D	CANAAN	D6D18	CT
14-10-D126	HOWARD, WALTER	HDWARD FARM	TYRINGHAM	D1264	MA
14-10-0223	TOWNE, LELAND S.	STRATTON ROAD	WILLIAMSTOWN	D1267	MA
14-10-D243	LEINING, STEPHEN	R F D	SHEFFIELD	D1257	MA
14-10-D3D9	GALUSHA, DANIEL E.	GREEN RIVER ROAD	WILLIAMSTOWN	D1267	MA
14-10-D311	RODDA, ARTHUR		HANCOCK	D1237	MA
14-10-D325	PHELPS, HARLEY	NEW ASHFORD	LANESBORO	01237	MA
14-10-D327	FLETCHERS JERSEY ACRES		CHESHIRE	D1225	MA
14-10-D344	CLAR-DAN FARM	P. D. BOX 114	LANESBORO	D1237	MA
14-10-D345	WIRTES, ROBERT UNIT 1	SILVER BIRCH FARM	LANESBORD	D1237	MA
14-10-D348	BALAWENDER, FRED S.		CHESHIRE	D1225	MA
14-10-D349	DRIVER, GRAHAM G& TREVD R	P.O. BOX 62	LANESBORD	D1237	MA
14-10-D351	BUCKLEY FARM	PO BOX 352 BAILEY	LANESBORD	01237	MA
14-10-0354	WIRTES, ROBERT UNIT 2	GREYLOCK ROAD	LANESBORD	01237	MA
14-10-D412	ARMSTRONG, ARTHUR	BOX 92	SEGREMONT	D1258	MA
14-10-9DD2	WILDE, MR. & MRS. H. G.	HIGHLAWN FARM	LENOX	D124D	MA
14-10-9011	CANDE, NELSON	FLINTSTONE FM NO.	DALTON	01226	MA
14-10-9013	MALNATI, DR. & MRS J. J.	1054 STATE ROAD	NORTH ADAMS	01247	MA
14-10-9133	MALNATI, ANTONIO J.		ASHLEY FALLS	01222	MA
14-10-9227	LEGEYT, EDWIN S.	RFD	SHEFFIELD	D1257	MA
14-10-9230	LIMESTONE FARM	SSR	CANAAN	06018	CT
14-10-9235	CHAPIN, ROBERT A.		SHEFFIELD	01257	MA
14-10-9246	DELLERT, DWIGHT		ASHLEY FALLS	D1222	MA
14-10-9337	CLARKSBURG FOUR PINES	ATT R GLEASON & SO	NORTH ADAMS	D1247	MA
14-11-0117	PURINGTON, HERBERT	WILSON HILL	COLRAIN	D134D	MA
14-11-015D	HASTINGS, DALE E.	383 EAST RIVER ST	ORANGE	D1364	MA
14-11-0152	ROBERTS, WILLIAM G.	OLD YANKEE FARM	WEST NORTHFIELD	0136D	MA
14-11-0154	LLEWELYN, CHARLES W.	UPPER FARM ROAD	NORTHFIELD	0136D	MA
14-11-0157	HATHAWAY, ELSON JR. FM 1	SOUTH SHELburne RO	GREENFIELD	01301	MA
14-11-D159	URGIEL, ALEXANDER V & SN	MUNNS FERRY ROAD	GILL	01376	MA
14-11-0167	JACQUE, WILLIAM	JACKSONVILLE ROAD	COLRAIN	01340	MA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
14-11-0170	FLAGG, ALLAN R.	RFO BENHALE RD GIL	TURNERS FALLS	01376	MA
14-11-0226	TAYLOR, ROLAND	HILL ROAD	SOUTH ASHFIELD	01371	MA
14-11-0234	WHITE, HAROLD T JR.	CHICKLEY VALLEY FA	CHARLEMONT	01339	MA
14-11-0237	SCOTT, ROGER B. HOI	APPLE VALLEY ROAD	ASHFIELD	01330	MA
14-11-0239	FITZGERALD, WILLIAM R.		SOUTH ASHFIELD	01371	MA
14-11-0302	WRIGHT, JOHN AND SONS	LEYDEN ROAD	GREENFIELD	01301	MA
14-11-0308	SHEARER, LAWRENCE JR.		COLRAIN	01340	MA
14-11-0310	GLEASON, F. WALTER		HEATH	01346	MA
14-11-0320	MELLOW MEADOWS FARM	CROSS STREET	BERNARDSTON	01337	MA
14-11-0321	MAPLE SHADE FARM 2	LEYDEN STAGE RD	GREENFIELD	01301	MA
14-11-0324	WAUBAN FARM 1	WATSON ROAD R F O	ASHFIELD	01330	MA
14-11-9164	PARSONS, RICHARD G.	R F O 2 BOX 171	NORTHFIELD	01360	MA
14-11-9204	DAVENPORT, MAURICE J.		SHELburne FALLS	01370	MA
14-12-0001	WENTWORTH, MRS. HAROLD T	SOUTH EAST STREET	AMHERST	01002	MA
14-12-0003	JACQUES, CHARLES&SNS HOI	575 SO. PLEASANT S	AMHERST	01002	MA
14-12-0062	CARLSON, DONALD R.	R F O 1	WARE	01082	MA
14-12-0064	COLE, RICHARD I.	FRANKLIN STREET	BELCHERTOWN	01007	MA
14-12-0070	TRACY, RICHARD	HERD 2	EASTHAMPTON	01027	MA
14-12-0101	BELCHERTOWN STATE SCHOOL	ATT J F MCCREA	BELCHERTOWN	01007	MA
14-12-0116	TRACY, RICHARD	HERO 1	EASTHAMPTON	01027	MA
14-12-0129	JOYNER, ROBERT C.		CUMMINGTON	01026	MA
14-12-0201	KENTFIELD FARM & DAIRY	R O 2 HO 1	HADLEY	01035	MA
14-12-0207	BARSTOWS LONGVIEW FARM	R F O 1	HADLEY	01035	MA
14-12-0321	WICKLAND, FRANCIS	BRYANT ST	CHESTERFIELD	01012	MA
14-12-0356	PARSONS, HENRY M.	R F O	EAST HAMPTON	01027	MA
14-12-0362	KENTFIELD FARM & DAIRY	R O 2 HO 2	HADLEY	01035	MA
14-12-0505	WARNER, CDRA L.	MDUNTAIN STREET	HAYDENVILLE	01039	MA
14-12-0508	BURT AND SONS	EAST ST	EASTHAMPTON	01027	MA
14-12-0509	MILLER, GORDON P. HERD 1	R F O	CHESTER	01011	MA
14-12-0511	HERRON, FRANK C.	UPLAND FARM 1	CUMMINGTON	01026	MA
14-12-9009	COOK, GORDON	R F O 2	HADLEY	01035	MA
14-12-9102	FOWLES, ELWYN M.	SUNNYOELL FARM	SOUTHAMPTON	01073	MA
14-12-9105	SMITH SCHOOL		NORTHAMPTON	01060	MA
14-12-9202	WENTWORTH, FRED A.	STANLEY STREET	AMHERST	01002	MA
14-12-9217	LAVALLE, FRANCIS J., JR.	R R 1 BOX 591A HD	BELCHERTOWN	01007	MA
14-12-9347	SEARS, RUSSELL JR & SON	BRYANT FARM	CUMMINGTON	01026	MA
14-12-9359	WEST, OSBORNE C.	R F O	HADLEY	01035	MA
14-12-9402	UNIVERSITY OF MASS.	ATT BERNARD L HILT	AMHERST	01002	MA
14-12-9403	UNIVERSITY OF MASS.	ATT BERNARD L HILT	AMHERST	01002	MA
14-13-0016	MALONEY, J. PINE GROVE	COLLEGE HIGHWAY	SOUTHWICK	01077	MA
14-13-0035	WATERMAN, RICHARD	COLLEGE HIGHWAY	SOUTHWICK	01077	MA
14-13-0040	HALL, P. K. AND SON	SUNNYSIDE RD	SOUTHWICK	01077	MA
14-13-9031	BROWN, EVERETT E.	210 NORTH WEST ST	FEEDING HILLS	01030	MA
14-13-9033	PIHL, RALPH E.	COESHILL ROAD	SOUTHWICK	01077	MA
14-14-0038	GOODFIELD, CHESTER E. FM		HAROWICK	01037	MA
14-14-0041	HANSEN AND ROBERTS		GILBERTVILLE	01031	MA
14-14-0048	HOOK, CARL	140 GREEN ST	SHREWSBURY	01545	MA
14-14-0053	JORDAN, H. L. AND W. S.	MUSCHOPAUGE ROAD	RUTLAND	01543	MA
14-14-0125	HARPER, DAVID	HARPERS DAIRY FARM	LEOMINSTER	01453	MA
14-14-0129	ASHWAY FARM	THORNTON STREET	MENON	01756	MA
14-14-0146	BATES, WARREN AND SON	BATES ROAD	DUOLEY	01572	MA
14-14-0167	NYOAM, JAMES	GRAND VIEW FARM	UXBRIDGE	01569	MA
14-14-0185	DAKLAWN FARM	BOX 16	SPENCER	01562	MA
14-14-0186	TOWN LINE DAIRY FARM	R F O WILLIAM ST	UPTON	01568	MA
14-14-0194	ROBINSON, RAYMOND G.		HARDWICK	01037	MA
14-14-0222	GOODFIELD, CHESTER E. FM		HAROWICK	01037	MA
14-14-0239	PILLSBURY, ROGER S. FM 2	HEYWOOD ROAD R F O	LEOMINSTER	01453	MA
14-14-0240	MASON, ORRIN W. JR.	R F O	JEFFERSON	01522	MA
14-14-0257	BENNETT, HARRY JR.	R F O 1 BOX 3B	NORTH BROOKFIELD	01535	MA
14-14-0258	RICHARDSON, R	RICHUELL JER LAKE	BROOKFIELD	01506	MA
14-14-0261	WAYTINA, THEODORE		NORTH BROOKFIELD	01535	MA
14-14-0280	GRIFFING, HAROLD M. FM 1	LONG HILL ROAD	WEST BROOKFIELD	01585	MA
14-14-0520	RYDER, FLOYD E. JR.	SOUTH RD	TEMPLETON	01468	MA
14-14-9025	DAVIS, JOHN A. AND SON		STERLING JUNCTION	01565	MA
14-14-9035	GARONER STATE HOSPITAL	ATT O. G. NOWERS	EAST GARONER	01440	MA
14-14-9039	GRAFTON STATE HOSPITAL	211 WESTBORO RD	NORTH GRAFTON	01536	MA
14-14-9054	KILINSOALE FARM	DOUGLAS ROAD	OXFORD	01540	MA
14-14-9056	KING, LEWIS E.	DREAMLAND FARM	NEW BRAINTREE	01531	MA
14-14-9075	PIERCE, GLIDDEN B.	102B PLEASANT ST	PAXTON	01612	MA
14-14-9077	PROCTOR, CARL W.	RD 1 BOX 237	LUNENBURG	01462	MA
14-14-9078	PROCTOR, O. L. AND SON		SPENCER	01562	MA
14-14-9081	PROUTY, H. S. AND A. C.	STAR ROUTE	GILBERTVILLE	01031	MA
14-14-9092	SURABIAN, HARRY	37B PROSPECT ST	WEST BOYLSTON	01583	MA
14-14-9099	WELLS, RUTH OYER	GAYVIL FARM	CHARLTON CITY	01508	MA
14-14-9102	WHITTIER FARMS INC		WEST SUTTON	01527	MA
14-14-9128	ADAMS, CLARENCE	NORTH WEST RD	SPENCER	01562	MA
14-14-9174	MASONIC HOME	ATT DONALD LAWYER	CHARLTON	01507	MA
14-14-9223	WHITTIER FARMS, INC.	DOUGLAS RD JWHITTI	SUTTON	01527	MA
14-14-9224	COTTING, C.E. CHEOCO FM	ATT A.C. WARNER RT	BERLIN	01503	MA
14-14-9250	STILLMAN, C. E.	LANCASTER AVE	LUNENBURG	01462	MA
14-14-9255	MEANS, BLANCHARD W.	ELM HILL FM L. BOY	BROOKFIELD	01506	MA
14-14-9270	OAKHOLM FARM	LAKE ROAD	BROOKFIELD	01506	MA
14-14-9282	AHEARN, GEORGE F.	180 MARSHALL ST.	PAXTON	01612	MA
14-14-9296	KIBBE, CORYDON W.	RAGGEO HILL ROAD	WEST BROOKFIELD	01585	MA
14-15-0107	OELL-DALE FARM		LITTLETON	01460	MA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
14-15-0117	TWIN VALLEY FARM 1	GUERNSEYS	EAST PEPPERELL	01437	MA
14-15-0123	ROSSBACH, GEORGE AND SON	TURNPIKE ROAD	TOWNSEND	01469	MA
14-15-0133	PICKARD, WILLIAM L.	245 FOSTER STREET	LITTLETON	01416	MA
14-15-0137	TWIN VALLEY FARM #2	HOLSTEINS	EAST PEPPERELL	01437	MA
14-15-0203	TEWKSBURY HOSPITAL	ATTN. L. KARNER	TEWKSBURY	01876	MA
14-15-9015	EASTLEIGH FARMS	RD1 P.D. BRAGG SUP	FRAMINGHAM CENTER	01701	MA
14-15-9136	STONYMEAD FARMS	P D BOX 39B	CONCORD	01742	MA
14-15-9201	SMITH, FARNHAM W.	GREAT BROOK FARMS	CARLISLE	01741	MA
14-15-9402	SAINT BENEDICT CENTER	ATT BROTHER BERNAR	STILL RIVER	01467	MA
14-16-0008	WHITE FARMS, INC.	ROWLEY BRIDGE ROAD	TOPSFIELD	01983	MA
14-16-0021	SARGENT, ROBERT R.	BEAR HILL ROAD	MERRIMAC	01860	MA
14-16-0103	FITZGERALD BROTHERS FARM	200 KENOZAST	HAVERHILL	01830	MA
14-16-0109	ROGERS, HAROLD B. FARM 1	133 NECK ROAD	WARO HILL	01830	MA
14-16-0130	ROGERS, HAROLD B. FARM 2	133 NECK ROAD	WARO HILL	01830	MA
14-16-0201	CHAOWICK, J. WARREN	ALDERBROOK FARM	WEST BOXFORD	01885	MA
14-16-9001	DANVERS STATE HOSPITAL	ATTN H H CLARK	HATHORNE	01937	MA
14-16-9002	ESSEX AGRIC. & TECH. INST.	ATT RICHARD BROWN	HATHORNE	01937	MA
14-16-9009	APPLETON FARMS		IPSWICH	01938	MA
14-16-9015	MEREOTH FARM	CROSS ST	TOPSFIELD	01983	MA
14-17-9003	ENOEAN FARM	95 MAIN STREET	WALPOLE	02081	MA
14-17-9028	WRENTHAM STATE SCHOOL	ATT GEORGE KENNEY	WRENTHAM	02093	MA
14-17-9040	WHEELER, PHILLIPS W.	1489 WEST ST	WRENTHAM	02093	MA
14-17-9041	BRIGGS, ROBERT	38 WINTHROP STREET	WEST MEOWAY	02053	MA
14-18-0012	HOUGHTON, WILLIAM A.	R F 0	NORTON	02766	MA
14-18-0017	ESTABROOKS, EVERETT L.	768 WEST CENTER ST	WEST BRIDGEWATER	02379	MA
14-18-0107	BLANCHARD, FRED AND SON	R F 0 3 BOX 17	MIDDLEBURY	02346	MA
14-18-9120	ROBERTY, GILBERT P.	123 NORTH ELM ST	WEST BRIDGEWATER	02379	MA
14-18-9213	STONE, ROBERT G.	GREAT HILL FARM	MARION	02738	MA
14-19-0014	DEVINE MOUNT HOPE FARM	224 SOUTH WALKER S	TAUNTON	02780	MA
14-19-0035	HORTON, WALTER	COUNTY ST	SEEKONK	02771	MA
14-19-0041	CHACE, WARREN R.	BARNEY AVE	SEEKONK	02771	MA
14-19-0115	EVANS, ARTHUR W. JR.	ELLIS ROAD	NORTH ATTLEBORO	02760	MA
14-19-0148	PARADIS, GEORGE	50 OLD PROVIDENCE	SWANSEA	02777	MA
14-19-0155	SOUZA, R. M. & M. H.	771 DIVISION ROAD	SOUTH WESTPORT	02790	MA
14-19-9015	FLINT, BENJ W.	832 EAST STREET	MANSFIELD	02048	MA
14-19-9017	BLISS FARM	711 PARK ST	ATTLEBORO	02703	MA
14-20-0002	ROBERTIS DAIRY FARM	BOX 16	SANDWICH	02563	MA
15-11-0115	MACDONALD, STUART K.	R F 0 1	SLOCUM	02877	RI
15-11-0116	COTTRELL HOMESTEAD		WEST KINGSTON	02892	RI
15-11-0128	KENYON, HENRY AND SONS		WYOMING	02898	RI
15-11-0131	HOYLE, G. THOMAS		WEST KINGSTON	02892	RI
15-11-0143	PANCIERA BROTHERS	ALTON ROAD	BRAEFORD	02808	RI
15-11-9111	PANCIERA, ALDO	90 FRANKLIN ST	WESTERLY	02891	RI
15-11-9118	GUERNSEY ACRES	ATT ALBREY TEFIT	HOPE VALLEY	02832	RI
15-11-9124	MAPLE LAKE FARM		KENYON	02836	RI
15-11-9134	UNIVERSITY RHODE ISLAND	AN & ORY HUS DEPT	KINGSTON	02881	RI
15-11-9152	UNIVERSITY RHODE ISLAND	AN & ORY HUSB DEPT	KINGSTON	02881	RI
15-11-9153	CLARK, GEORGE P & VERA J	HORSESHOE FALLS FM	SHANNOCK	02875	RI
15-11-9158	PANCIERA, CHARLES E.	OUNNS CORNERS RD	WESTERLY	02891	RI
15-13-0113	R. I. DEPT. OF WELFARE	INST FARM OFFICE	HOWARD	02834	RI
15-13-9121	HILLSIDE FARMS INC.	1308 PHENIX AVE	CRANSTON 10	02910	RI
15-14-0002	FRANLART FARM	WILLOW AVENUE	LITTLE COMPTON	02837	RI
15-14-0116	KESSON, J. S. AND SON	1903 WEST MAIN RD	MIDDLETOWN	02843	RI
15-14-0141	WILDES, M K & H S	SHAW ROAD	LITTLE COMPTON	02837	RI
15-14-0151	SCONNERS, HELEN	141 CORNELL RD.	TIVERTON	02878	RI
15-14-9143	LEBREUX, LUCIEN	1057 CRANDALL RD	TIVERTON	02878	RI
15-14-9145	VAUCLUSE FARM	P O BOX 534	NEWPORT	02840	RI
16-02-0039	KELLER, ROBERT	ADAMS RD R D 1	BRIDGEPORT	06600	CT
16-02-0059	HAPANOWICK, A. V.	HAPPY ACRE FARM	SHERMAN	06784	CT
16-02-9025	DUNNING, H. S.	VALLEY FARMS	WALPOLE	03608	CT
16-02-9218	LUFKIN, DAN W	POVERTY HOLLOW FAR	NEWTOWN	06470	CT
16-04-0013	KRISTOFF BROTHERS	183 BAILEY ST	GLASTONBURY	06033	CT
16-04-0060	HILLCREST FARM HOLSTEIN	68 OLMING AVENUE	NEWINGTON	06111	CT
16-04-0112	NIELSEN, CHRIS AND SONS	1312 HALL BLVD	BLOOMFIELD	06002	CT
16-04-0211	PETERSEN, A.C. FMS 2, IN	61 TERRY PLAIN ROAD	BLOOMFIELD	06002	CT
16-04-0215	TULLER, D. O. & SONS FM	ATT D H TULLER BX1	WEST SIMSBURY	06092	CT
16-04-0219	FELEY BROTHERS	NORTH MAIN STREET	EAST GRANBY	06026	CT
16-04-0224	MILLER, FRED	SHELOON ST	WEST SUFFIELD	06093	CT
16-04-0226	DEWEY, CARL	WEST ROAD R F D	COLLINSVILLE	06022	CT
16-04-0230	NEILSEN, HOWARD	182 WOODLAND AVE	BLOOMFIELD	06002	CT
16-04-0235	PETERSEN, A. C. FMS 3, IN	61 TERRY PLAIN ROAD	BLOOMFIELD	06002	CT
16-04-0403	COULTER BROTHERS	TAINTOR HILL	SUFFIELD	06078	CT
16-04-0411	COLLINS POWDER HILL FARM	POWDER HILL RD	HAZAROVILLE	06036	CT
16-04-9002	OSBORN PRISON FARM	80X G	HAZAROVILLE	06036	CT
16-04-9003	MERRITT, RICHARD H.	TOWN FARM RD	FARMINGTON	06032	CT
16-04-9015	MINNECHAUG FARM	2992 HEBRON AVENUE	GLASTONBURY	06033	CT
16-04-9023	SHELOON MEL FARM	SHELOON STREET	EAST GRANBY	06026	CT
16-04-9111	THRALL, OLIVER J. INC.	145 THRALL ROAD	WINDSOR	06095	CT
16-04-9212	THRALL, H. C. AND SONS	DAY HILL RD	WINDSOR	06095	CT
16-04-9314	MUNSON, NORM AND SON	782 KENSINGTON RD	KENSINGTON	06037	CT
16-06-0020	CARLSON, DOUGLAS J.	CARLWOOD FARM RD	CANAAN	06018	CT
16-06-0030	DELAY, HENRY AND SON	FAIRVIEW FARM	HARWINTON	06790	CT
16-06-0037	FINCH, ERNEST	RIDGEWOOD FARM	ROXBURY	06783	CT
16-06-0055	GUSTAFSON BROTHERS	LINKFIELD ROAD	WATERTOWN	06795	CT
16-06-0064	HOPKINS, WILLIAM	THE SACHEM FARM	NEW PRESTON	06777	CT

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
16-06-0067	HURLBUT FARM	R F D 3	WINSTED	06098	CT
16-06-0084	MORGAN FARM	ELLSWORTH	SHARDN	06069	CT
16-06-0096	PLUMB, FRED		LITCHFIELD	06759	CT
16-06-0098	POTTER, F. ARTHUR	TAMARACK FARM	WASHINGTON	06793	CT
16-06-0115	BRISCOE, JOHN O.	SILENT MEADOW FARM	LAKEVILLE	06039	CT
16-06-0116	SKIFF MT. FARM		SHARON	06069	CT
16-06-0127	SULLIVAN, GEORGE JR.	139 PARK LANE	NEW MILFORD	06776	CT
16-06-0128	PRATT, GEORGE O. JR.	SUNNY VALLEY FARM	NEW MILFORD	06776	CT
16-06-0130	TANNER, LEWIS	NUTMEG ACRES FARM	NEW PRESTON	06777	CT
16-06-0136	TOLL GATE FARMS	CHESNUT HILL	LITCHFIELD	06759	CT
16-06-0138	TOPLINE FARM 1		BRIEGEWATER	06752	CT
16-06-0142	VAILL, DONALD	BDX 62	GOSHEN	06756	CT
16-06-0145	WEBSTER, A. BENJ. AND SO	P D 8DX 217	LITCHFIELD	06759	CT
16-06-0154	WILBER, FRED	R F D 1	WINSTED	06098	CT
16-06-0178	ODDO, WILLIAM FM 1		NEW MILFORD	06776	CT
16-06-0184	SWENSEN, SAMUEL JR.	R F D	BETHLEHEM	06751	CT
16-06-0199	KENT SCHOOL	ATT EDWARD AMMERMA	KENT	06757	CT
16-06-0204	FOLEY, THOMAS AND SONS	BDX 633	CANAAN	06018	CT
16-06-0206	PETERSON, RUSSELL	R F D 1	BETHLEHEM	06798	CT
16-06-0217	BRONSON, HOWARD M.		WASHINGTON DEPOT	06794	CT
16-06-0225	LORENZO, OTTAVIO	TOWN HILL ROAD	LAKEVILLE	06039	CT
16-06-0234	NORTH WALES FARM	UNDERMOUNTAIN RD	SALISBURY	06068	CT
16-06-0236	HARRIS, GEORGE	R D 3 BROWN SWISS	NEW MILFORD	06776	CT
16-06-0239	WEIGLO, HUDSON	R F D 1 BOX 452	TORRINGTON	06790	CT
16-06-0247	REIMER, CHARLES R.	R F D 3	NEW MILFORD	06776	CT
16-06-0249	WEINGART, CHARLES L.	R F D 3	HARWINTON	06790	CT
16-06-0269	THORN, MARSHALL	IVES ROAD	LITCHFIELD	06759	CT
16-06-0280	SMITH, MALCOLM	WEST GOSHEN RD	LITCHFIELD	06759	CT
16-06-0319	HURLBUT, ALLYN H JR	HAUTBOY HILL RD	FALLS VILLAGE	06031	CT
16-06-0338	PRATT, GEORGE O. JR.	SUNNY VALLEY FARM	NEW MILFORD	06776	CT
16-06-0364	CY-BDN FARM	LITCHFIELD ROAD	MORRIS	06763	CT
16-06-0369	BRACKEN, WALTER	ARTILLERY RD	WATERTOWN	06795	CT
16-06-0389	GILLETTE, ROBERT	MOOSEHORN VALLEYFA	ROXBURY	06783	CT
16-06-0396	WILLIAMS, D. & VUILLE, D	CARMEL HILL RD	WOOBURY	06798	CT
16-06-9026	SLATE, REGINALD W.	R F D 2	LITCHFIELD	06759	CT
16-06-9029	DEEP LAKE FARM		LAKEVILLE	06039	CT
16-06-9031	ODOLEY, GEORGE C.		LITCHFIELD	06759	CT
16-06-9034	EVARTS, KATHARINE A.		KENT	06757	CT
16-06-9036	FALCON FLIGHT FM	BEACH ST A&C CHENE	LITCHFIELD	06759	CT
16-06-9048	GIULIAN, ALBERT	BONEY HILL RD	CANAAN	06018	CT
16-06-9050	GOLOEN HARVEST FARM	GUERNSEY	BRIEGEWATER	06752	CT
16-06-9069	JOHNSON, W. L. JR.		WASHINGTON	06793	CT
16-06-9077	LEE, ABEL		LAKEVILLE	06039	CT
16-06-9100	QUALITY FARM	WELLS HILL ROAD	LAKEVILLE	06039	CT
16-06-9105	RIPLEY, LOUIS R. HO 1	ATT ROBERT LIGNOR	LITCHFIELD	06759	CT
16-06-9122	SPENCER, W. W.	R F D 1	WATERTOWN	06795	CT
16-06-9125	STEVENS, LAWRENCE	R F D 1	WEST CORNWALL	06796	CT
16-06-9137	TOPLANOS FARM	WM. ROBERTSON-MGR.R	ROXBURY	06783	CT
16-06-9152	WHITE AFR FARMS	R & E WHITEHEAD RF	WASHINGTON DEPOT	06794	CT
16-06-9162	GLO, T. S.-CREAM HILL F	R F D 1	WEST CORNWALL	06796	CT
16-06-9166	WELLS, GEORGE & SONS INC	WELLSVIEW AVENUE	NEW MILFORD	06776	CT
16-06-9201	ATWOOD, GROVER C.	BELOEN ROAD	FALLS VILLAGE	06031	CT
16-06-9208	GRASSLAND FARM	HAMMERTOWN ROAD	SALISBURY	06068	CT
16-06-9221	HARRIS, HARRY	STONNY BATTER FARM	CORNWALL BRIDGE	06754	CT
16-06-9272	CANFIELD FARM	BEEBE HILL ROAD	FALLS VILLAGE	06031	CT
16-06-9345	WENTWORTH, HOWARD AND SN	FARM 2	EAST CANNAN	06024	CT
16-06-9348	EIPPER, R. J. & R. C.	80X 91	ROXBURY	06783	CT
16-06-9372	TAYLOR, WILLIAM M.	LITCHFIELD ROAD	NORFOLK	06058	CT
16-06-9387	CUNNINGHAM, BRIGGS BRO	RFO 1	SOUTH KENT	06785	CT
16-06-9393	TDRY HILL CORPORATION		LAKEVILLE	06039	CT
16-10-0014	BROCKETT, DICK AND TED	ARRDWALE RD	NORTH HAVEN	06473	CT
16-10-0017	NEUBIG BROTHERS	BARBERRY ROAD	NORTH HAVEN	06473	CT
16-10-0027	WILMOT BROTHERS HO 1	GUNNTOWN ROAD	NAUGATUCK	06770	CT
16-10-0032	SOUTHURY TRAINING SCHOOL	ATT CHARLES BRIGHA	SOUTHURY	06488	CT
16-10-0037	HOSATONIC VALLEY FMS IN	R F D 1	SOUTHURY	06488	CT
16-10-0039	MITCHELL, R. KIMBERLY	RIVER RD.	SOUTHURY	06488	CT
16-10-0045	GREENBACKER, C.&SNS. FM1	743 MURDOCK AVENUE	MERIDEN	06450	CT
16-10-0048	TOMLINSON, W. P. AND SON	WOODHOUSE AVE	WALLINGFORD	06492	CT
16-10-0064	AUGUR, FRED & LARRY	FOREST ROAD	NORTHFORD	06472	CT
16-10-0087	JENSEN BROTHERS	QUAKER FARMS ROAD	OXFORD	06483	CT
16-10-0113	LOVOAL, OSCAR	R D 2	SOUTHURY	06488	CT
16-10-0120	CDAG FARM	NORTHFORD RD	WALLINGFORD	06492	CT
16-10-0123	GEHRKE, HAROLD C.	178 GREIB ROAD	WALLINGFORD	06492	CT
16-10-0131	GREENBACKER, C.&SONS FM2	743 MURDOCK AVE.	MERIDEN	06450	CT
16-10-0135	WILMOT BROTHERS HO 2	GUNNTOWN ROAD	NAUGATUCK	06770	CT
16-10-9029	SCHREIBER, DAVID T.	QUAKER FARMS RD	OXFORD	06483	CT
16-10-9041	LARKIN, HOWARD T.	SOUTH ST	MIDDLEBURY	06762	CT
16-10-9053	MASONIC HOME FOUNDATION	MASONIC AVENUE	WALLINGFORD	06492	CT
16-10-9091	FARNAM, GEORGE B.	1283 WHIRLWIND HIL	WALLINGFORD	06492	CT
16-12-0006	BRDWN, J. FRANKLIN	WYCHWOOD FARM	STONINGTON	06378	CT
16-12-0016	BERTEN, HENRY AND SONS	HA00AM QUARTER RD	DURHAM	06422	CT
16-12-0017	GAO80IS, GEORGE O.	R F D 4	COLCHESTER	06415	CT
16-12-0020	GASPARINO, ALDO	R F D 1	NORWICH	06360	CT
16-12-0034	MT.HIGBY DAIRYFM. F.KOSK	HIGBY ROAD	MIDDLETOWN	06457	CT
16-12-0042	PALMER BROTHERS	R F D 2	LISBON	06351	CT

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
16-12-0058	WHITE, RICHARD		NORTH STONINGTON	06359	CT
16-12-0079	BLUESLOPE FARM	ATT E STAEBNER	LEBANON	06249	CT
16-12-0080	NELSON, CONRAD	R F O 1	UNCASVILLE	06382	CT
16-12-0081	MILLER, HUBERT	WINDY NOTCH FM RO1	JEWETT CITY	06351	CT
16-12-0101	CUSHMAN, N. AND SON		LEBANON	06249	CT
16-12-0121	LARK RIDGE FARM	R F D 4	NORWICH	06360	CT
16-12-0129	RAYDONGED FARM	BOX 972	NEW LONDON	06301	CT
16-12-0138	ROODE, R. L. AND O. J.	R F D 1	JEWETT CITY	06351	CT
16-12-0148	WEINGART, H. AND SONS	R F O 1	LEBANON	06249	CT
16-12-0155	BARNES DAIRY	DON L BARNES RFO 3	NORWICH	06360	CT
16-12-0164	DUBICKI, KENNETH	R F D 2	NORWICH	06360	CT
16-12-0168	BECKWITH BROTHERS		NORTH FRANKLIN	06254	CT
16-12-0169	DE BARI, JERRY	STRICKLAND STREET	PORTLAND	06480	CT
16-12-9010	BROCK, E LEROY & SON FM	RIDGE ROAD	MIDDLETOWN	06457	CT
16-12-9023	LEDYARD FARMS-SIDNEY HAL	R F D 1	NORWICH	06351	CT
16-12-9026	KALLMAN, HERBERT	R F D 1	JEWETT CITY	06351	CT
16-12-9027	KRAUSE, HAROLD	R F O 1	WILLIMANTIC	06226	CT
16-12-9037	PIONEER FARM	ATT E L MARSH	OLD LYME	06371	CT
16-12-9056	SEIFERT, GEORGE & MARION	KELSEY STREET	MIDDLETOWN	06457	CT
16-12-9063	BROCK, E. LEROY & SON FM	RIDGE RD	MIDDLETOWN	06457	CT
16-12-9083	GOOD BROS.	R F D 3	NORWICH	06360	CT
16-12-9130	POLINSKY FARMS	R F O 1	JEWETT CITY	06351	CT
16-12-9134	STEBNER FARM	COOK HILL RD	LEBANON	06249	CT
16-14-0003	NIEMANN, KENNETH	RURAL ROUTE 1	ELLINGTON	06029	CT
16-14-0005	RUDD, ALLAN	HOFFMAN ROAD	ELLINGTON	06029	CT
16-14-0017	KAMINSKI, L. AND T.	BELLEVUE AVE	ROCKVILLE	06066	CT
16-14-0018	BRADWAY, WESLEY	BOX 166 R F D 2	STAFFORD SPRINGS	06076	CT
16-14-0022	PEASE, HORACE	9TH DEST RD	SOMERS	06071	CT
16-14-0023	ROSE, GEORGE O.	R D 1 BOX 541	BOLTON	06040	CT
16-14-0037	SZEGOA, JOSEPH		COLUMBIA	06237	CT
16-14-0038	KAPLAN, MORRIS		COLUMBIA	06237	CT
16-14-0041	MANSFIELD ST. TRNG. HOSP		MANSFIELD DEPOT	06251	CT
16-14-0046	ELLIS, KENNETH & SON	MAPLELEAF E FM RFO	HEBRON	06248	CT
16-14-0050	LUGINBUHL FAMILY FARM	R F D 1	ROCKVILLE	06066	CT
16-14-0060	ELM KNOLL FARMS HERD2	R D 2	SOMERS	06071	CT
16-14-0100	GIGLIO BROS	R F D 2 BOX 183	BOLTON	06040	CT
16-14-0108	MARTIN, RUSSELL W.	P. O. BOX 144 FARM	WILLIMANTIC	06226	CT
16-14-0120	HOFFMAN, DONALD	JOB'S HILL ROAD	ELLINGTON	06029	CT
16-14-9014	BAHLER FARMS INCORPORATE	R O 1	ELLINGTON	06029	CT
16-14-9063	CHASE, FRANK	ELLINGTON RD	SOMERS	06071	CT
16-14-9068	KUCA, STEVE	WATCHAUG RD	SOMERS	06071	CT
16-14-9077	FARRINGTON, GILBERT		WEST WILLINGTON	06279	CT
16-14-9109	SZEGDA, RONALD		COLUMBIA	06237	CT
16-14-9113	UNIV OF CONN. W S GAUNYA	DEPT. OF ANIMAL IN	STORRS	06268	CT
16-14-9114	UNIV OF CONN. W S GAUNYA	DEPT. OF ANIMAL IN	STORRS	06268	CT
16-16-0002	BARRETT, GEORGE	R F D 2	WOODSTOCK	06281	CT
16-16-0003	YOUNG, H. & F. FARM 1	WOODSTOCK HILL	WOODSTOCK	06281	CT
16-16-0050	HIBBARD, CHANDLER	R F O 2	WOODSTOCK	06281	CT
16-16-0056	CHEBRO, MICHAEL	R F D	MANSFIELD CENTER	06250	CT
16-16-0060	ANDRUS, KAYE		MANSFIELD CENTER	06250	CT
16-16-0076	WEED, R. M.	R F O 2	WOODSTOCK	06281	CT
16-16-0078	FRANZMANN, PAUL	R F O 1 MASON ROAD	BROOKLYN	06234	CT
16-16-0094	PEDERSEN, V. AND S.	R F O 1	WOODSTOCK	06281	CT
16-16-0123	TYLER BROTHERS	R F D 1 HERO 1	CANTERBURY	06331	CT
16-16-0137	FAIR VUE FARM	STAR ROUTE	SOUTH WOODSTOCK	06267	CT
16-16-0146	ERICSON, NILS E.	P O BOX 146	ONECO	06373	CT
16-16-0149	OUR PRIDE FARM	R F D	PLAINFIELD	06374	CT
16-16-0155	KNOWLTON, THOMAS	KNOWLTON ROAD RFD	STORRS	06268	CT
16-16-0160	TYLER BROTHERS	R O 1 HERO 2	CANTERBURY	06331	CT
16-16-0164	SAVAGE, JOHN T.	R O 1	POMFRET CENTER	06259	CT
16-16-0169	TARR, OWEN		POMFRET CENTER	06259	CT
16-16-9121	STAN WAL FARM	R O 1 GENORON ROAD	MOOSUP	06354	CT
16-16-9124	BURROUGHS BROTHERS	BARSTOW RD	CANTERBURY	06331	CT
16-16-9156	LANE, CHARLES	R D 1 BOX 149	WOODSTOCK	06281	CT
21-01-0062	STEVENS, MARK W.	1000 DELAWARE AVE	ALBANY	12200	NY
21-01-0073	PUTNAM, FLOYD & EDWARD	FLO LINE FMS R O 1	QUANESBURG	12056	NY
21-01-0410	MILLER, CHESTER		BERNE	12023	NY
21-01-0607	MILLER, HUBERT & SONS	COLE HILL FARMS	EAST BERNE	12059	NY
21-01-0879	LAGRANGE, J. E. AND SONS		FEURA BUSH	12067	NY
21-01-9253	COOKE, LAURENCE	R D 1	OAK HILL	12460	NY
21-01-9873	STANTON, DOUGLAS	RD 2	GREENVILLE	12083	NY
21-02-0008	HAMILTON, GUY JR & SONS	R D 1 BY-MAR FARM	BELFAST	14711	NY
21-02-0022	OALEY, ARTHUR M.	R F O 2	FILLMORE	14735	NY
21-02-0028	DECKER, RICHARD	R F O	FRANKLINVILLE	14737	NY
21-02-0033	MARLON FARMS	R D 3 C. HABBERFIE	WELLSVILLE	14895	NY
21-02-0037	COLE, JOE AND SONS	RD 1	CUBA	14727	NY
21-02-0077	KNIBLOE, KEITH M.	R D 2	FILLMORE	14735	NY
21-02-0087	AUSTIN, CHARLES G.	R O 3	BELMONT	14813	NY
21-02-0088	SAWDEY, RAYMOND	R O 1	CUBA	14727	NY
21-02-0092	NICKERSON, GLENN		SCIO	14880	NY
21-02-0106	FULLER, GEORGE R.	R F O 1	HOUGHTON	14744	NY
21-02-0144	DOTY, FRANCIS		REXVILLE	14877	NY
21-02-0158	JOHNSON, VIRGIL AND SON	R O 1	FRIENDSHIP	14739	NY
21-02-0193	HOLMES, STEVEN	RD1	CUBA	14727	NY
21-02-0202	LAMPHIER, HARLEY & SONS	R D 1	WELLSVILLE	14895	NY

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-02-D210	BUFFUM, MERLE	EAST RIVER ROAD	FILLMORE	14735	NY
21-02-D380	SUBJECT, ALBERT	R F D 2 RUS-MAR FM.	CUBA	14727	NY
21-02-0521	OAVIES, ELDYN	R O 3	CUBA	14727	NY
21-02-9129	DUNLAP, ALTON	R F O 3	CUBA	14727	NY
21-02-9253	WATERS, LEWIS		WHITESVILLE	14897	NY
21-02-9322	WILLIAMS, ARTHUR	RO 1	HOUGHTON	14744	NY
21-02-9423	HOUGHTON COLLEGE FARM	R F D	HOUGHTON	14744	NY
21-02-9605	STATE UNIV AG & TECH COL	FARM DEPT	ALFRED	14802	NY
21-02-9665	SNIDER, CEYLON R.	R F O	FILLMORE	14735	NY
21-03-0035	QUICK, RAYMONO	R O 6	BINGHAMTON	13900	NY
21-03-0061	WINSOR ACRES	R D 2	HARPURSVILLE	13787	NY
21-03-DD66	BREED, M. GRANT	TRACY CREEK RO RD2	VESTAL	13850	NY
21-03-0096	BALOWIN, CHARLES	R D 1	QUAQUAGA	13826	NY
21-03-0147	GLEN-MAR FARM 1	R D 2	HARPURSVILLE	13787	NY
21-03-D207	MORGAN, FRANKLIN	R D 1	LISLE	13797	NY
21-03-0225	LAWRENCE BROTHERS	R O 1	CONKLIN	13748	NY
21-03-D345	SUMMERS, CARL W.	R O 1	MARATHON	13803	NY
21-03-0438	HURLBUT, MERTON	R D 1 BOX 110	WHITNEY POINT	13862	NY
21-03-0530	HASKELL FARMS	R D 3	BINGHAMTON	13900	NY
21-03-D672	OLIVER, EDWARD & SON	R D 1	NINEVEH	13813	NY
21-03-0683	ANORESEN, EDGAR AND LEIF	R O	AFTON	13730	NY
21-03-0879	OLIN, DONALD	RO 2	HARPURSVILLE	13787	NY
21-03-0910	WICKS, ALFRED	RO 1	PORT CRANE	13833	NY
21-03-9073	VANSLYKE, LEE	R O 3	WINDSOR	13865	NY
21-03-9223	AUKEMA, DOUGLAS	KNAPP HILL ROAD	CHENANGO FORKS	13746	NY
21-03-9630	PIERSON, CLAIRE	R D 1	MARATHON	13803	NY
21-03-9687	HELM, KARL	RD 1	NINEVEH	13813	NY
21-03-9982	HOLCOMB, ROBERT	R O 2	GREENE	13778	NY
21-04-D034	CROSBY FARM		HINSDALE	14743	NY
21-04-DD36	FRANGALEX FARM	ATT F.C. ANDERSON	GREAT VALLEY	14741	NY
21-04-DD48	HUBBARD, LELAND	RD 1	OLEAN	14760	NY
21-04-0069	RUSHING BROOK FARM	ATT LYLE WAITE RO	RANDOLPH	14772	NY
21-04-0081	PRO-SHO FARM	RO ATT EOMON LAMPS	CONEWANGO VALLEY	14726	NY
21-04-D119	BURROUGHS, HOWARD HERD 1	R F O BOX 87	LITTLE VALLEY	14755	NY
21-04-0128	KENT, WAYNE	R F D	LITTLE VALLEY	14755	NY
21-04-0130	HINTZ, ERWIN	R F D	EAST OTTO	14729	NY
21-04-D134	STUOLEY, M. AND SONS	RFD 2	GOWANDA	14070	NY
21-04-0158	WEBER, ALFRED	R O 1	OELEVAN	14042	NY
21-04-0255	STEINBAR, PRESTON	R F D	EAST OTTO	14729	NY
21-04-0312	CHAPMAN, EOGAR	R F D 1	CONEWANGO VALLEY	14726	NY
21-04-0316	PALMARJA FARM	WEST FIVE MILE ROAD	ALLEGANY	14706	NY
21-04-0348	MARTOALE FARMS	R D 2	OLEAN	14760	NY
21-04-0376	KRUG, DONALD M.	R D 1 BOX 335	LITTLE VALLEY	14755	NY
21-04-0409	SILVER FALLS FARMS	RFD DONALD DEWEY	PERRYSBURG	14129	NY
21-04-0412	DAR-ANN FARM	BLUE ROAD R O 1	OELEVAN	14042	NY
21-04-0441	ELLIS, JAMES HERO 2	R O 3	CATTARAUGUS	14719	NY
21-04-0452	BLACKTHORN FARM HERO 2	R D 3	CATTARAUGUS	14719	NY
21-04-0597	KRISTLAWN FARM		PORTVILLE	14770	NY
21-04-D691	FARWELL, G. M.	RFO	HINSDALE	14743	NY
21-04-9094	READ, JOHN A.	MALTBIE HEIGHTS	GOWANDA	14070	NY
21-04-9121	GEORZEJEK BROTHERS	R O 1	ELLCOTTVILLE	14731	NY
21-04-9311	CHARLESWORTH, HOWARD	R F D 1	EAST OTTO	14729	NY
21-04-9619	ECCLES FARM	ROI ATT H. T. ECCLES	RANDOLPH	14772	NY
21-05-0011	ALEXANDER, HAROLD	R O 1	UNION SPRINGS	13160	NY
21-05-0023	NOLAN BROTHERS	ROI ATT ROBERT NOL	VENICE CENTER	13161	NY
21-05-0024	GILLETTE, GORDON	R D 4	CORTLAND	13045	NY
21-05-0031	SEXAUER AND LOCKWOOD	RD 3	AUBURN	13021	NY
21-05-0094	KEHOE, DONALD	R O 2	MORAVIA	13118	NY
21-05-0101	BURHOLM FARM 1	ATT P BURHANS R D	MORAVIA	13118	NY
21-05-0107	GRAY, JOHN	R D 1	STERLING	13156	NY
21-05-0110	BLUMER, VERNON	BONTA BRIDGE RD	JOROAN	13080	NY
21-05-D114	OATES, CARL	R D 2	REO CREEK	13143	NY
21-05-0143	OSTERHOUDT, C. R.		GENOA	13071	NY
21-05-D156	DAVIS, ARTHUR		GENOA	13071	NY
21-05-0157	STEVENS, QUANE	RO 2	REO CREEK	13143	NY
21-05-0160	JOHNSON, MAURICE W.	R D 4	AUBURN	13021	NY
21-05-0167	OUNKLE, E. C.	R O 1	KING FERRY	13081	NY
21-05-0242	ABER, PHILIP W.	R D 1	MORAVIA	13118	NY
21-05-0250	VITALE, BEN	R O 3	AUBURN	13021	NY
21-05-0272	SAXTON, GEORGE JR.	R O 1	UNION SPRINGS	13160	NY
21-05-0275	LITTLEJOHN FARMS	R O 1	UNION SPRINGS	13160	NY
21-05-0276	MORSE, OAVIO	R O 4	MORAVIA	13118	NY
21-05-0292	BLUMER, TERRANCE	R D 1	JORDAN	13080	NY
21-05-0294	MILLER, EDWARD AND REVA	MAPLEWOOD FARM R D	AUBURN	13021	NY
21-05-0334	HATFIELD, W. KEITH	BOX 202 R D 1	SCIPIO CENTER	13147	NY
21-05-0344	CAREY BROTHERS, HERD 2	R D 1	LOCKE	13092	NY
21-05-0376	MCMAHON, RALPH M.	R D 6	AUBURN	13021	NY
21-05-0385	ROBISON, HOBART	R D	MORAVIA	13118	NY
21-05-0388	ROSSBACH, OIETRICH	CREST EDGE FM	VENICE CENTER	13161	NY
21-05-0394	CRABINE, BERNARD & WM.	RO 2 BERNELEN FARM	RED CREEK	13143	NY
21-05-0397	MAPLEHURST FARM	PATTINGTON, RUS&BR	SCIPIO CENTER	13147	NY
21-05-0419	RICHARDSON, ROBERT G.	SHERWOOD FARMS	AURORA	13026	NY
21-05-D422	PERRY, MARK R.	R O	AUBURN	13021	NY
21-05-0428	MITCHELL, CHARLES		MORAVIA	13118	NY
21-05-D494	OSBORNE AND CASOLARE	R O 1	CATO	13033	NY

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-05-0520	GREENFIELD AND CHANDLER	RO 2	MORAVIA	13118	NY
21-05-0701	CAYUGA COUNTY HOME	RO 6	AUBURN	13021	NY
21-05-0764	GAHWILER, ALBERT	R D 2	AUBURN	13021	NY
21-05-0832	HARGETT, ROBERT	SAXOJAC FARM	LOCKE	13092	NY
21-05-0878	HATFIELD, ARBON	R O 1	MORAVIA	13118	NY
21-05-0982	SOUTHARO, LEE	RO 3 CLOVER HILL F	CATO	13033	NY
21-05-9030	RIPLEY, ROLAND	R O 4	CORTLAND	13045	NY
21-05-9043	OUNHAM, ROBERT FM1	R O 3	MORAVIA	13118	NY
21-05-9175	JULI, MICHAEL AND SON	RO 5	AUBURN	13021	NY
21-05-9194	CAMPBELL, WARREN		STERLING	13156	NY
21-05-9221	RIFORO, L. S.	RO 3	AUBURN	13021	NY
21-05-9244	LERSON LAWN FARM	80X 44	SENNETT	13150	NY
21-05-9249	PEARCE, RICHARD W. & SON	R O 5	AUBURN	13021	NY
21-05-9269	BEACON FIELDS	BEACON MILLING CO.	CAYUGA	13034	NY
21-05-9270	PATCHEN, KENNETH A. & SO		LOCKE	13092	NY
21-06-0011	AMES, CHARLES	R O 2	JAMESTOWN	14701	NY
21-06-0031	WHITE, JOHN	R O 2	CLYMER	14724	NY
21-06-0049	NEWELL, EDWARD	R O 1	SHERMAN	14781	NY
21-06-0053	ANDERSON, MERVIN		KENNEBOY	14747	NY
21-06-0054	ANDERSON, STANLEY	R O 1	SINCLAIRVILLE	14782	NY
21-06-0060	COCHRANE, A. JAMES JR.	R O 2	RIPLEY	14775	NY
21-06-0080	BLUMQUIST, JOE	R O 1	FALCONER	14733	NY
21-06-0100	SPINLER, CHARLES	R O 2	SINCLAIRVILLE	14782	NY
21-06-0114	CROWELL, NORTON	R O 1	CHERRY CREEK	14723	NY
21-06-0149	TRUMP, ROGER	R O 1	WESTFIELD	14787	NY
21-06-0166	GIBBONS, JACK W.	R O 2	CLYMER	14724	NY
21-06-0183	ELY, MARVIN H.	R O 1	JAMESTOWN	14701	NY
21-06-0240	SANOSTROM, JAMES	R O 2	ASHVILLE	14710	NY
21-06-0256	LINQUIST, GEORGE HO 1	R O 1	KENNEBOY	14747	NY
21-06-0293	BRATT, FRANK AND SON	R O 2	JAMESTOWN	14701	NY
21-06-0313	OUNNEWOLD, ERNEST	R O 2	CLYMER	14724	NY
21-06-0327	HESS, ROBERT	R O 2	FORESTVILLE	14062	NY
21-06-0348	BENNINK, DONALD	RO1 CLYMER CENTER	CLYMER	14724	NY
21-06-0349	TENPAS, JAN JR.	R O 1	CLYMER	14724	NY
21-06-0387	FINCH, RICHARD	R O 2	SINCLAIRVILLE	14782	NY
21-06-0394	CROSS, ROBERT	R O 2	KENNEBOY	14747	NY
21-06-0423	MILLER, RAYMOND & RICHARD	R O 2	KENNEBOY	14747	NY
21-06-0494	ANDERSON, LEON	R O 3	JAMESTOWN	14701	NY
21-06-0497	NECKERS, ARTHUR	R O 2	SHERMAN	14781	NY
21-06-0505	COWEN, WARREN L.		CONEWAGO VALLEY	14726	NY
21-06-0510	LAPORTE, JOSEPH	PROSPECT ROAD	WESTFIELD	14787	NY
21-06-0565	ANDERSON BROTHERS	R O 3	JAMESTOWN	14701	NY
21-06-0566	FAIROAWN FARMS INC.	ATT. DOUGLAS FAIRBANK	FORESTVILLE	14062	NY
21-06-0594	LIDDELL, EDWARD	R O 1 8AYVIEW ROAD	8EMUS POINT	14712	NY
21-06-0600	OAG, HUGH	R O 1	8EMUS POINT	14712	NY
21-06-0605	LEE, JAMES R.	R O 1	FREWSBURG	14738	NY
21-06-0653	SVENETK, JOSEPH	R O 3	SHERMAN	14781	NY
21-06-0660	SCHOFIELD, ROBERT	EAST MAIN ROAD	WESTFIELD	14787	NY
21-06-0703	GLEASON, JOHN	R O 2	ASHVILLE	14710	NY
21-06-0704	HEWESHURST FARM 2	R O 2	MAYVILLE	14757	NY
21-06-0708	HOOKER, LAWRENCE	R O 2	SOUTH DAYTON	14138	NY
21-06-0716	ELY, MR. & MRS. FRANK	80X 414	ELLINGTON	14732	NY
21-06-0747	RESLINK, MELVIN	R O 2	CLYMER	14724	NY
21-06-0919	NEWHOUSE, EUGENE	R O 1	CLYMER	14724	NY
21-06-0950	HEWESHURST FARM 1	R O 2	MAYVILLE	14757	NY
21-06-9025	JONES, ALLAN & RALPH	ATT WM. SLEASMAN R	JAMESTOWN	14701	NY
21-06-9043	FORBES FARMS	RFO 2	JAMESTOWN	14701	NY
21-06-9061	CROWELL, DONALD V.	R O 2	SOUTH DAYTON	14138	NY
21-06-9070	IVETT, LYNN AND SON	R O 2	SOUTH DAYTON	14138	NY
21-06-9222	WALKER, FRANK	RO 2	FALCONER	14733	NY
21-06-9231	LAWSON, RALPH J.	520 CAMP STREET	JAMESTOWN	14701	NY
21-06-9283	WRIGHT, HOWARD	R O 2	CLYMER	14724	NY
21-06-9420	THOMPSON FARM, R & M & V	R O 2	KENNEBOY	14747	NY
21-06-9655	GROSS, EDGAR F.	7136 ROAD ROAD	SINCLAIRVILLE	14782	NY
21-06-9846	KIMBALL, STANLEY	R O 1	FALCONER	14733	NY
21-07-0007	SMITHOME FARMS	R F O 1	ELMIRA	14903	NY
21-07-0012	MOUNT SAVIOR MONASTERY		PINE CITY	14871	NY
21-07-0080	DALRYMPLE FM A. DALRYMPLE	334 SING SING ROAD	HORSEHEADS	14845	NY
21-07-0085	WOOD, CHARLES W.	RO 2	SAYRE	18840	PA
21-07-0433	ELMIRA REFORMATORY		ELMIRA	14900	NY
21-07-0573	HOOSE, ELWIN		WELLSBURG	14894	NY
21-07-0699	WELLES, WILLIAM V.	RO 3	HORSEHEADS	14845	NY
21-07-0708	MAPLE HILL FARMS	R O 1 HENRY ROBER	ELMIRA	14903	NY
21-07-9014	LANT, FRED AND SONS	R O 2	HORSEHEADS	14845	NY
21-07-9363	WHITCOMB, R. K. & M. L.	R O 1	CORNING	14830	NY
21-08-0019	MUZZY, DOUGLAS OR DAVIO	STAR ROUTE	GREENE	13778	NY
21-08-0020	HOWARD, JOHN E.	80X 302	SHERBURNE	13460	NY
21-08-0024	WEHLI, ROBERT J.	80X 24	SOUTH PLYMOUTH	13844	NY
21-08-0027	BUTTON, OWEN		SOUTH NEW BERLIN	13843	NY
21-08-0028	GRUELICH, EDWARD C.	STAR ROUTE	NEW LISBON	13415	NY
21-08-0100	FLEMING, DEWITT E.		GUILFORD	13780	NY
21-08-0115	HARRINGTON, DONALD	R O 1	GREENE	13778	NY
21-08-0122	IRELAND, ELTON	R O 1	BAINBRIDGE	13733	NY
21-08-0123	DOYLE, PAUL	R O 1	WEST ERMONT	13485	NY
21-08-0152	PLANKENHORN & ORTON HO 1	RIVERLEA FARMS 8X3	STONE	13838	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-08-0173	BLANCHARD FARMS 1	LEE AND STEWART	SMYRNA	13464	NY
21-08-0185	LARKIN, WILLIAM & SDNS	R D 1	HUBBARDSVILLE	13355	NY
21-08-0230	HOLL, THOMAS JR.		DE RUYTER	13052	NY
21-08-0246	COLEGROVE, JOHN & BEVERL	R D 2	EDMESTON	13335	NY
21-08-0247	IVES, DAVID	R O 3	BAINBRIDGE	13733	NY
21-08-0267	MORLEY BROS GARY & RICH	R D	CINCINNATUS	13040	NY
21-08-0273	BENNETT, RDNALO	R D 1	BURLINGTON FLATS	13315	NY
21-08-0312	BUTTON, LESLIE	R D 2	SOUTH NEW BERLIN	13843	NY
21-08-0330	WILLIAMS, HARRY	R O 1	OXFORD	13830	NY
21-08-0344	TAYLOR, L. AND SONS		SHERBURNE	13460	NY
21-08-0355	REINEMA, MEME	R D 1	BAINBRIDGE	13733	NY
21-08-0388	CLARK, BURR E.	R D	EARLVILLE	13332	NY
21-08-0404	GILBERT, LESLIE		PITCHER	13136	NY
21-08-0405	ROXBURGHE FARMS	RFD1 ATT CLAYTON R	EDMESTON	13335	NY
21-08-0419	MICHA, JOHN	R D 2	GREENE	13778	NY
21-08-0428	BARTON, HARRY H.	RD 2	BAINBRIDGE	13733	NY
21-08-0434	COMINGS, PHILIP C.	RFD 1	BAINBRIDGE	13733	NY
21-08-0452	DUNCHEL, LOUIS	R D 2	OXFORD	13830	NY
21-08-0484	MEADE BROTHERS	R D 3	OXFORD	13830	NY
21-08-0492	SYLSTRA, N. L. JR.	R D 2	OXFORD	13830	NY
21-08-0581	WELCH AND HIGGINS	R D 1	NEW BERLIN	13411	NY
21-08-0587	EAVES, THOMAS		SHERBURNE	13460	NY
21-08-0629	EATON, J. W.	HERD 1	PITCHER	13136	NY
21-08-0641	CHAPMAN, JOHN L.	R D 2	SOUTH NEW BERLIN	13843	NY
21-08-0663	SABIN, REXFORD	R D 3	OXFORD	13830	NY
21-08-0688	KOLB, GEORGE J.	STAR ROUTE 332	NORWICH	13815	NY
21-08-0697	DUELL, GEORGE		MCDONOUGH	13801	NY
21-08-0700	ROWE, WESLEY	R D 1	NORWICH	13815	NY
21-08-0701	STANTON, FRANCIS	R D 1	EDMESTON	13335	NY
21-08-0705	JOHNSON, DONALD	R D 1	NEW BERLIN	13411	NY
21-08-0709	STRIER, ROBERT	R D 1	GUILFORD	13780	NY
21-08-0729	IANNELLO, WILLIAM	R O 2	NEW BERLIN	13411	NY
21-08-0731	FRIEDEL, DOUGLAS	R D 2	NEW BERLIN	13411	NY
21-08-0766	DUNGEY, HARRISON HO 1		SHERBURNE	13460	NY
21-08-0781	BICE, RONALD	STAR ROUTE	SOUTH EDMESTON	13466	NY
21-08-0786	PHILLIPS, OLIN FM 1		MOUNT UPTON	13809	NY
21-08-0848	GRIDLEY, LAWRENCE W.	R D 3	BAINBRIDGE	13733	NY
21-08-0859	WINTER, DONALD S.	R O 3	NORWICH	13843	NY
21-08-0863	HALBERT, R. M. AND SON	R O 1	SOUTH NEW BERLIN	13843	NY
21-08-0868	PROSKINE, JOHN		NORWICH	13815	NY
21-08-0888	ANDERSON, H. J.	R D 1	HARPURSVILLE	13787	NY
21-08-0889	RULING, NELSON	R D 3	BAINBRIDGE	13733	NY
21-08-0906	IRELAND, DOUGLAS	R O 1	MT. UPTON	13809	NY
21-08-0918	SIMONS BROTHERS		SMYRNA	13464	NY
21-08-0959	HILL, A. S. AND L. W.	R D 1	GREENE	13778	NY
21-08-0966	SPREUSVIEW FARMS INC.	R O 1	MOUNT UPTON	13809	NY
21-08-0954	BENSON, ALF P.	SUN BEN FM R D 2	NEW BERLIN	13411	NY
21-08-0922	LATHROP, C. E.	BOX 655	SHERBURNE	13460	NY
21-08-09309	WIGHTMAN GUERNSEY FARM	ALICE K WIGHTMAN R	GREENE	13778	NY
21-08-09347	MARSHMAN FARMS	RD 3	OXFORD	13830	NY
21-08-09391	MEEK, ARCHIE	R F O 2	NORWICH	13815	NY
21-08-09408	MCLAUGHLIN, J. P.	R D 1	GREENE	13778	NY
21-08-09523	DAVIS, ARTHUR	R D 1	GREENE	13778	NY
21-08-09767	LARCHAR FARMS	R D 1	NEW BERLIN	13411	NY
21-08-09784	ROUNOS, EDWARD & KENTON	R D 1	GREENE	13778	NY
21-08-09949	ANGELL, BURNELL		DE RUYTER	13052	NY
21-09-0004	OESEER, ANOREW		CHAZY	12921	NY
21-09-0025	ASHLEY, CHARLES		WEST CHAZY	12992	NY
21-09-0077	BECHARD, FELIX	RFD1 BORDER VIEW F	CHAMPLAIN	12919	NY
21-09-0092	ALLEN, STEVE	R O 1	PERU	12972	NY
21-09-0107	ASHLEY, CHARLES FM 2		WEST CHAZY	12992	NY
21-09-0130	GRAVELLE, ROBERT	CHAZY LDG	CHAZY	12921	NY
21-09-0202	CARTER, LAWRENCE		ELLENBURG CENTER	12934	NY
21-09-0374	CHEESEMAN, MARSHALL		ELLENBURG DEPOT	12935	NY
21-09-0387	CHEESEMAN, WINFRED		ELLENBURG DEPOT	12935	NY
21-09-0530	CLINTON PRISON		OANEMORA	12929	NY
21-09-0548	BANKER FARMS	R O	PLATTSBURGH	12901	NY
21-09-0699	MAPLEGRAND FARM	KERMIT IRWIN	PERU	12972	NY
21-09-0881	ROBINSON, THOMAS	R O 1	CHAMPLAIN	12919	NY
21-10-0016	MACKERER, RICHARD F. FM1		EAST CHATHAM	12060	NY
21-10-0022	OEEP ACRES	RO	KINDERHOOK	12106	NY
21-10-0024	METTLER & FOURNIER	RFD	HILLSDALE	12529	NY
21-10-0049	MONTHIE, HERBERT	RO 1	HUDSON	12534	NY
21-10-0061	HI ODDLE FARM 1	RO 2	GERMANTOWN	12526	NY
21-10-0074	SCISM, RICHARD & SON	BOX 13	STUYVESANT	12173	NY
21-10-0078	SCHNEEBERGER, FRED	R F O 1	ANCRAM	12502	NY
21-10-0086	TOPEER A FARMS		CDPAKE	12516	NY
21-10-0092	LANGRIDGE, WM. H. R. JR.	R D	TIVOLI	12583	NY
21-10-0109	CLAGHORN, D. AND C.	RD 2	HUDSON	12534	NY
21-10-0116	OOMS, ARENO AND SONS	R O	OLO CHATHAM	12136	NY
21-10-0139	BEHRENS, E. H.		OLO CHATHAM	12136	NY
21-10-0144	MERRICK, IRVING		ANCRAM	12502	NY
21-10-0181	BITEL, FRANK J.		ANCRAM	12503	NY
21-10-0185	MACKERER, RICHARD F. FM2		EAST CHATHAM	12060	NY
21-10-0186	JOHNSON, MERRILL	R O 1	GHENT	12075	NY

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-10-0189	FIELOS, M. VALFIELO FARM	R O 2 BOX B6	VALATIE	12184	NY
21-10-0201	STONEHOUSE FARM	R O 2	HUOSON	12534	NY
21-10-0216	LANGOON, GRANT O.		COPAKE	12516	NY
21-10-0221	MILLER, HERBERT	SNOOK HILL FARM	COPAKE	12516	NY
21-10-0228	RANCH 3B7	T. E. NOLAN R O 1	HILLSDALE	12529	NY
21-10-0230	OUTCH ACRES	80X 37	NORTH CHATHAM	12132	NY
21-10-0231	JACQUE, ROBERT A. & SONS	R O 2	HUOSON	12534	NY
21-10-0243	OSOFKY, DAVIO & RONALD	SHULTZ HILL ROAD F	PINE PLAINS	12567	NY
21-10-0245	HUGHES, O & NEAR, MARY	R O 1 PLEASANT ACR	COPAKE	12516	NY
21-10-0271	MODERN FARMS	BOX 236	CLAVELACK	12513	NY
21-10-0277	VANALSTYNE, EK HETLOO FM	RFO STUYVESANT RD	KINOERHOOK	12106	NY
21-10-0279	PAGE, RICHARD A.	COUNTY ROAD 21 R O	GHENT	12075	NY
21-10-0285	GLASNEVIN FARMS		KINOERHOOK	12106	NY
21-10-0291	SCHULERUD, CARL L.	R O 2	VALATIE	12184	NY
21-10-0329	LO-NAN FARM	LLOYD & NANCY VAIL	PINE PLAINS	12567	NY
21-10-0419	CAMPBELL BROTHERS	R O 1	CRARYVILLE	12521	NY
21-10-0594	DAWSON, SAMUEL W.	R F O	HILLSDALE	12529	NY
21-10-0601	KAMEFIELO FARM	R F O	HILLSDALE	12529	NY
21-10-0605	PELLHOLM FARM	FRANKLIN PELLIS	HILLSDALE	12529	NY
21-10-0608	DUBOIS, LAWRENCE	R O 1	VALATIE	12184	NY
21-10-0681	GLENNCROSS FARM	R F O 2	VALATIE	12184	NY
21-10-0721	MCCOMB, DAVIO	R O 1	GHENT	12075	NY
21-10-0723	MILLERHURST FARM	ROUTE 82	ANCRAMDALE	12503	NY
21-10-0727	SCHRAEDER, A. G. AND SONS	R F O 2	GERMANTOWN	12526	NY
21-10-0912	BRALEY, J. WARREN	R F O	CHATHAM	12037	NY
21-10-0928	HOYSRAOT, HENRY R	R O 1	ANCRAMDALE	12503	NY
21-10-0978	SOMMERHOFF, KURT & CHRIS		ANCRAMDALE	12503	NY
21-10-9062	SHAKER VIEW FARM	P.O. BOX 40	NEW LEBANON CENTE	12125	NY
21-10-9067	IRISH, L W & SONS INC	FRUITLANDS FARM	VALATIE	12184	NY
21-10-9174	SHADOWBROOK FARM	BOX 40	NEW LEBANON CENTE	12125	NY
21-10-9203	LANGOON, ADRIAN C.		COPAKE	12516	NY
21-10-9270	BOTHWELL FARM	H. LOUIS BOTHWELL	ANCRAM	12502	NY
21-10-9282	BOWER-DORN FM2	634 KNICKERACKER	SCHOOLACK LANDING	12156	NY
21-10-9379	CHITTENDEN, S. N. HO 1		NEW LEBANON	12125	NY
21-10-9449	COOLEY, RALPH	RO 1	GHENT	12075	NY
21-10-9471	BEAVER CREEK FARM	RO 1	HUOSON	12534	NY
21-10-9590	DORN, FRED FARM 1	DORRIGH FARMS	NORTH CHATHAM	12132	NY
21-10-9593	QUART FARM	RO 1	HUOSON	12534	NY
21-10-9931	WINTER, ERNEST	BOX 62	VALATIE	12184	NY
21-11-0010	OIESCHER, WILLIAM & JOHN	R O 1	CORTLAND	13045	NY
21-11-0015	GRISWOLD AND OAKS	R O 3	CORTLAND	13045	NY
21-11-0022	THE GOLOWATER FARM	5193 FOSTER RD. RF	CORTLAND	13045	NY
21-11-0050	STOKER, MAX	RFO 1	HOMER	13077	NY
21-11-0052	WEDDLE, STANLEY J. FM 1	R O 1	HOMER	13077	NY
21-11-0056	CUSTER, HARRY FM 1	RO 2	CUYLER	13050	NY
21-11-0082	BROOKS, RICHARD A.	R O 2	HOMER	13077	NY
21-11-0087	VANPATTEN, WILLIAM J.	STAR ROUTE	PREBLE	13141	NY
21-11-0095	BICKFORD, EDWIN JR.	R O 1	EAST FREETOWN	13055	NY
21-11-0099	YOUNG, ERNEST W.	R O 2	CUYLER	13050	NY
21-11-0101	SEARS, FRANCIS	RO 4	CORTLAND	13045	NY
21-11-0112	JONES, ROBERT H.	RO 1	HOMER	13077	NY
21-11-0118	MCMAHON, RICHARD T.	R O 2	HOMER	13077	NY
21-11-0121	GIGLIUTO, JOSEPH	R O 2	HOMER	13077	NY
21-11-0161	KNAPP, R. O. AND SON		PREBLE	13141	NY
21-11-0163	TWENTYMAN, GERALD	RO 2	HOMER	13077	NY
21-11-0171	UNOERWOOD, WILLIAM		TULLY	13159	NY
21-11-0178	WRIGHT, WILLIAM S.		PREBLE	13141	NY
21-11-0190	STOUGHTON, E. & E.	RO 1	CORTLAND	13045	NY
21-11-0203	ARMSTRONG, GEORGE	R O 1	HOMER	13077	NY
21-11-0211	VOSSLER, EUGENE & ROBERT		PREBLE	13141	NY
21-11-0233	HEATH, JAMES H.	R O 1	MCGRAW	13101	NY
21-11-0241	CONTENTO, FRANK	R O 1	HOMER	13077	NY
21-11-0251	POWER, KENNETH	R O 2	CORTLAND	13045	NY
21-11-0253	WEBSTER, CLAIR	R O 2	HOMER	13077	NY
21-11-0261	KIMMICH, LEONARD	R O 2	MARATHON	13803	NY
21-11-0265	YOUNG, MALCOLM H.	R O 1	CORTLAND	13045	NY
21-11-0268	HARVEY, NORMAN	R O 1	MARATHON	13803	NY
21-11-0276	YOUNG, MERWIN K.	R O 2	HOMER	13077	NY
21-11-0288	YOUNG, GERALD O.	R O 1	CORTLAND	13045	NY
21-11-0308	MCCALL, LAWRENCE	4624 MCCONALD ROAD	HOMER	13077	NY
21-11-0423	FLEMING, PAUL & MARGARET	R O 1	CORTLAND	13045	NY
21-11-0480	MORGAN, LEONARD B.	R O 1	HOMER	13077	NY
21-11-0484	DAVIS, LELAND	R O 4	CORTLAND	13045	NY
21-11-0533	DAVIS, RALPH & JON	R O 2	HOMER	13077	NY
21-11-0611	PERRY, LAWRENCE	R O 2	HOMER	13077	NY
21-11-0654	MILKLAND FARMS	POTTER, WILLARD & JA	TRUXTON	13158	NY
21-11-0655	POTTER, BERNARD W.		TRUXTON	13158	NY
21-11-0694	REED FARM	R O 2	CORTLAND	13045	NY
21-11-0727	RIEHLMAN FARM	RD 2	HOMER	13077	NY
21-11-0873	SELLEN, RODNEY H.	R F O 1	HOMER	13077	NY
21-11-0883	MCMAHON, RALPH & SONS FM	R O 3	MARATHON	13803	NY
21-11-9035	WHITE, J. M. AND H. M.	P O BOX 493	MARATHON	13803	NY
21-11-9067	GUNZENHAUSER, B & G	1212 STARR RD	CORTLAND	13045	NY
21-11-9090	MCJUNKIN, REED & ELEANOR	R O 1	CORTLAND	13045	NY
21-11-9134	LONERGAN, THOMAS J.	R O 2	HOMER	13077	NY

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-11-9292	FORO, HOWARD A.	R O 3	CORTLAND	13045	NY
21-11-9737	MACINTIRE, FRANK & WILSON	R O 4	CORTLAND	13045	NY
21-12-0031	LAKE OELAWARE FARM 1		DELHI	13753	NY
21-12-0032	BOWKER, GLENN		WALTON	13856	NY
21-12-0036	MACCRACKEN BROTHERS		ONEONTA	13750	NY
21-12-0042	STOECKEL, GERALD F.	BUSY ACRES FARM	BLOOMVILLE	13739	NY
21-12-0047	ELOERKIN, HERBERT		WALTON	13856	NY
21-12-0049	FAULKNER, LEONARD		NEW KINGSTON	12459	NY
21-12-0050	LATOURETTE, ROBERT	R O 1	SIONEY CENTER	13839	NY
21-12-0065	NEFF, ALFREDO	R O 1	WALTON	13856	NY
21-12-0074	SCOTT, RALPH		MARGARETVILLE	12455	NY
21-12-0080	GIFFORD, RICHARD		OEPOSIT	13754	NY
21-12-0096	JOHNSON, WALTER	STAR ROUTE	SIONEY	13838	NY
21-12-0101	JOHNSON, MICHAEL		MERIDALE	13806	NY
21-12-0103	MAIER, FRED	OELHI STAGE	ONEONTA	13820	NY
21-12-0114	ACKLEY, LYNN & ROGER		FRANKLIN	13775	NY
21-12-0125	WROEN BROTHERS	WRIGHT BROOK ROAD	BLOOMVILLE	13739	NY
21-12-0139	BANUAT, OAVIO C. & THELM		BOVINA CENTER	13740	NY
21-12-0140	BURNS BROTHERS		BOVINA CENTER	13740	NY
21-12-0147	BURNS, JAMES		BOVINA CENTER	13740	NY
21-12-0155	WALLEY, GUERON JR.	STAR ROUTE	OEPOSIT	13754	NY
21-12-0166	MCNEE, ROBERT		OELANCEY	13752	NY
21-12-0168	COULTER, BRUCE E.	R D 1 COULTERHOME	WALTON	13856	NY
21-12-0181	JACKSON, W. THOMAS	R O 1	WALTON	13856	NY
21-12-0187	BARLOW, JOHN	LAKE OELAWARE	OELHI	13753	NY
21-12-0194	WHITMORE, CALVIN H.	TOP-NOTCH FARM	TREAOWELL	13846	NY
21-12-0244	HOLLEY, NORTON E.	R O 1	OELANCEY	13752	NY
21-12-0256	BUSSY, IVAN H.		HALCOTTSVILLE	12438	NY
21-12-0288	BACHLER, FRANK	R O 1	EAST MEREDITH	13757	NY
21-12-0304	JUMP, BERT	R O # 2	BAINBRIDGE	13733	NY
21-12-0305	THORINGTON, JOHN	RO 1	PRATTSVILLE	12468	NY
21-12-0307	STEVENS, DOUGLAS	FALLCLOVE	OELANCEY	13752	NY
21-12-0328	CARPENTER FARM	ATT VIRGIL L. OAK	BLOOMVILLE	13739	NY
21-12-0330	TAYLOR, OAVIO		MARGARETVILLE	12455	NY
21-12-0355	STURGESS, HAROLD		HOBART	13788	NY
21-12-0371	INMAN, WILLIAM		BOVINA CENTER	13740	NY
21-12-0378	PROSPECT FARM FARVIEW OI	ATT CLAUDE COOK	STAMFORD	12167	NY
21-12-0384	WHITTAKER, JOSEPH JR.	RO 2	OELHI	13753	NY
21-12-0389	MEANS, SCOTT P.		OELHI	13753	NY
21-12-0392	NEFF, ALTON		OWNSVILLE	13755	NY
21-12-0396	WARNER CREST FARMS	R O 2	MASONVILLE	13804	NY
21-12-0397	SANFORD, EARL M.		MARGARETVILLE	12455	NY
21-12-0398	RIVERLAND FARM 2		BLOOMVILLE	13739	NY
21-12-0402	HAIT, HERBERT		HOBART	13788	NY
21-12-0452	PLOUTZ, LELAND		HAMMON	13782	NY
21-12-0454	RICH, GEORGE C.		FRANKLIN	13775	NY
21-12-0456	TAYLOR, RALPH	STAR ROUTE	WALTON	13856	NY
21-12-0474	COULTER, MYRON	R O 2	WALTON	13856	NY
21-12-0475	RUFF, WILLIAM FM 1		ANDES	13731	NY
21-12-0479	PROSPECT FARM SUNRISE OI	ATT: CLAUDE COOK	STAMFORD	12167	NY
21-12-0489	KAUFMAN, PETTUS AND CON		FRASER	13753	NY
21-12-0500	FAIRBAIN, JOHN		ARKVILLE	12406	NY
21-12-0505	KELLETT, JOHN		OEPOSIT	13754	NY
21-12-0506	OAMGAARD, JACK		BOVINA CENTER	13740	NY
21-12-0515	YOEPF, WM. JAY	R O 1	WALTON	13856	NY
21-12-0522	LANE, JAMES JR.	RO 2	ONEONTA	13820	NY
21-12-0542	HUTTON, RALPH & LIZ	STAR ROUTE	TREAOWELL	13846	NY
21-12-0543	CABLE, ROBERT S.		OWNSVILLE	13755	NY
21-12-0546	COULTER, LEWIS		HAMMON	13782	NY
21-12-0550	JENORZEJEWSKI, JOSEPH		OELHI	13753	NY
21-12-0553	JORDAN, CLIFFORD		MERIDALE	13806	NY
21-12-0575	HUTSON, THOMAS R		OELANCEY	13752	NY
21-12-0610	GAVETT, CHARLES	R O GAVETT FARMS	HAMMON	13782	NY
21-12-0611	OU MONO, BASIL		WALTON	13856	NY
21-12-0613	MILLER, ROBERT L.	R O 1	FRANKLIN	13775	NY
21-12-0616	GRAY, NELSON		NEW KINGSTON	12459	NY
21-12-0666	FINCH, RICHARD A.	R O 2 BOX 115	JEFFERSON	12093	NY
21-12-0667	RAOLEY, ERNEST	TREAOWELL ROAD	OELHI	13753	NY
21-12-0669	UGAN, JOHN JR.		ROXBURY	12474	NY
21-12-0701	LAMPORT, FRANK JR.	RIVER ROAD	HOBART	13788	NY
21-12-0731	BRIGGS, ALOEN C.	BEEBE HILL	OEPOSIT	13754	NY
21-12-0736	LAW-VIEW FM LAW & HEBBAR	OELHI STAGE	ONEONTA	13820	NY
21-12-0737	GUNTERT, KARL		EAST MEREDITH	13757	NY
21-12-0739	LEWIS, JOHN L.	R O 3	WALTON	13856	NY
21-12-0745	FRASER HOMESTEAD FARM		FRASER	13753	NY
21-12-0751	BURNS, THOMAS		BOVINA CENTER	13740	NY
21-12-0752	SINES, EARL FM 1	R O 3	WALTON	13856	NY
21-12-0754	PROSPECT FMS. PINE I. OI	ATT CLAUDE COOK	STAMFORD	12167	NY
21-12-0765	AIKENS, WILLIAM	R O 1	BLOOMVILLE	13739	NY
21-12-0819	CONSTABLE, FLORA	STAR ROUTE	WALTON	13856	NY
21-12-0843	NYGARD, OAVIO		BLOOMVILLE	13739	NY
21-12-0845	LEROY, ZACHERY		HOBART	13788	NY
21-12-0854	CZAJA, LEON	WARREN DRIVE	OWNSVILLE	13755	NY
21-12-0859	SCUODER, LEIGHTON		FLEISCHMANN'S	12430	NY
21-12-0864	RUFF, WILLIAM FM 2		ANDES	13731	NY

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-12-0865	RUFF, WILLIAM FM 3		ANDES	13731	NY
21-12-0867	VANVALKENBURG, PHILLIP	80X 68 HERO 2	GRAND GORGE	12434	NY
21-12-0870	BIROSALL, HOWARD	R O 3	WALTON	13856	NY
21-12-0875	SUTHERLAND, HUGH R.	R F O 1	DELHI	13753	NY
21-12-0882	SAVOLO, JAMES R & MARY AN	R O 1	ROXBURY	12474	NY
21-12-0934	SMITH, ERNEST & DON	R R 1	FRANKLIN	13775	NY
21-12-0577	MARTIN, WENDELL F. JR	R O	SOUTH KORTRIGHT	13842	NY
21-12-9061	JACKSON, GRAHAM	RIVER RD	WALTON	13856	NY
21-12-9130	VAN KLEECK, GEORGE FM1		HOBART	13788	NY
21-12-9200	KUPPENS BROTHERS		WALTON	13856	NY
21-12-9210	CONKLIN, MERVIN	RO 3	WALTON	13856	NY
21-12-9231	WARD, MILTON		DELHI	13753	NY
21-12-9362	UTTER, LEONARD FM 1	MILL BROOK	MARGARETVILLE	12455	NY
21-12-9533	NYS AG & TECH INST	FRANK LOVELAND MGR	DELHI	13753	NY
21-12-9672	RABELER DAIRY FARM		BOVINA CENTER	13740	NY
21-12-9766	ARGYLL FARMS	JOHN & JANE CAMPBELL	ROXBURY	12474	NY
21-12-9803	POST, DAVID E.		HOBART	13788	NY
21-13-0002	DOORIOALE FARM	PITCHER LANE	RED HOOK	12571	NY
21-13-0013	STARK, JAMES	WEST DOVER ROAD	PAWLING	12564	NY
21-13-0023	DAPPLEMERE FARM	RESERVOIR RD	PAWLING	12564	NY
21-13-0033	COON BROTHERS	SMITHFIELD ROAD	AMENIA	12501	NY
21-13-0043	HAPEMAN, CHARLES	HAPEMAN HILL ROAD	RED HOOK	12571	NY
21-13-0049	GREIG, ROBERT G.	PITCHER LANE	RED HOOK	12571	NY
21-13-0067	GREEN HAVEN PRISON	ROUTE 216	STORMVILLE	12582	NY
21-13-0068	JOHANNSSON, CARL	SALT POINT RD.	PLEASANT VALLEY	12569	NY
21-13-0092	BOS-HAVEN FM 2	ATT DONALD MARSHALL	VERBANK	12585	NY
21-13-0102	PEROTTI, FRANK S.	R F O 2	MILLERTON	12546	NY
21-13-0116	DELAVAL RESEARCH FARM	ATT. ORISON COOK	PINE PLAINS	12567	NY
21-13-0134	SEELBACH, KARL	SEELBACH LANE	STAATSBURG	12580	NY
21-13-0156	GRETNA ACRES ROAD HEWLET	R O 1 12601	POUGHKEEPSIE	12600	NY
21-13-0159	BENEKE, JOACHIM	WILLOWBROOK FMS RF	MILLERTON	12546	NY
21-13-0166	JACOBY, LELAND	R F O 2 80X 136	RED HOOK	11231	NY
21-13-0236	BUTLER, C. E. & SON	HOLSTEIN ROAD	PINE PLAINS	12567	NY
21-13-0254	DAM, FLORENCE M.	ROUTE B2	PINE PLAINS	12567	NY
21-13-0259	NORTHROP, RAYMOND	HUNTS LAKE ROAD	STANFORDVILLE	12581	NY
21-13-0268	BRUSIE, RALPH & JOHN	R F O	MILLERTON	12546	NY
21-13-0272	KAIN, JOSEPH L.	ROUTE 22	AMENIA	12501	NY
21-13-0294	SILVER MT. FARM 2	SMITHFIELD ROAD	MILLERTON	12546	NY
21-13-0297	MCENROE, RAYMOND JR.	BARLOW SCHOOL ROAD	MILLERTON	12546	NY
21-13-0304	WIGSTENS HIGHLINE FARM	WIGSTEN RD	PLEASANT VALLEY	12569	NY
21-13-0309	BARLOW, HENRY & SON	SOUTH AMENIA ROAD	WASSAIC	12592	NY
21-13-0325	SILAMAR FARM	R O 2	MILLERTON	12546	NY
21-13-0328	GILBERT BROTHERS	VIOLET AVE-T GILBE	HYOE PARK	12538	NY
21-13-0331	RUSSIN, ROBERT J	R O 1	MILLERTON	12546	NY
21-13-0340	VOGELS SEPASCOT FARM		RHINEBECK	12572	NY
21-13-0342	THE HERMITAGE		GERMANTOWN	12526	NY
21-13-0348	BOEROERIJ FARM	R O 1	MILLERTON	12546	NY
21-13-0354	SALM, PETER A.	NORTH SEA ROAD	SOUTHAMPTON	11968	NY
21-13-0358	CHAUNCEY, A. W. AND L. R	COVE HOLLOW ROAD	EAST HAMPTON	11937	NY
21-13-0475	MULLER, A. C.	RESERVOIR RD	PAWLING	12564	NY
21-13-0499	HONOUR, HENDERSON	SMITHFIELD ROAD	MILLERTON	12546	NY
21-13-0500	SILVER MT. FARM 1	SMITHFIELD ROAD	MILLERTON	12546	NY
21-13-0616	BOS-HAVEN FM 1	DONALD MARSHALL	VERBANK	12585	NY
21-13-0666	DOWNEY, MAURICE F.	ATT A DOWNEY	MILLERTON	12546	NY
21-13-0704	FISH, LOUIS W. JR. FM 1		SALT POINT	12578	NY
21-13-0745	BROOKWOOD FARM	SKUNKS MISERY ROAD	MILLERTON	12546	NY
21-13-0777	ROSENTHAL, PAUL	FARAWAY FARM	PINE PLAINS	12567	NY
21-13-0789	JACKSON BROTHERS	JACKSON RD	HOPEWELL JUNCTION	12533	NY
21-13-0830	HUNTINGTON FMS-ASSOCIATE	ROUTE 44	MILLBROOK	12545	NY
21-13-0860	HAHNWAY FARM	R O 1	SALT POINT	12578	NY
21-13-0915	BULKELEY, PETER		TIVOLI	12583	NY
21-13-9003	GUARD HILL FARM	THOMAS M WALLER	BEFORE HILLS	10507	NY
21-13-9004	HANOVER HILL FARM	HANOVER STREET	YORKTOWN HEIGHTS	10598	NY
21-13-9006	PLANKENHORN FARM	GRETNA ROAD	HYOE PARK	12538	NY
21-13-9020	HILLAIRE FARM	TOWER HILL ROAD	MILLBROOK	12545	NY
21-13-9029	WELLS BROTHERS	RFO 2	MILLBROOK	12545	NY
21-13-9256	TYMOR FARM		LAGRANGEVILLE	12540	NY
21-13-9264	WHALEN, RICHARD	SOUTH ROAD	MILLBROOK	12545	NY
21-13-9330	HEFFERING & TRAVENA	HANOVER HILL FARM	AMENIA	12501	NY
21-13-9339	WINANS, H. C. AND SON		PINE PLAINS	12567	NY
21-13-9357	BALOWIN, SAYRE	HAYGROUND ROAD	BRIEGHAMPTON	11932	NY
21-13-9371	CHASE, OR. KENNETH	BRANT ROAD	PINE PLAINS	12567	NY
21-13-9379	ELLSBANK FARM	R O 1 ATT R A WRIG	MILLERTON	12569	NY
21-13-9398	CORSETTA, ROGER H.		MILLBROOK	12545	NY
21-13-9466	WINCHELL MT. FARM	WINCHELL MT. RD.	MILLERTON	12546	NY
21-13-9664	PULVER, STANLEY AND SON	WINCHILL MT RD	MILLERTON	12546	NY
21-13-9674	EWING, SHERMAN	SMITHFIELD ROAD	AMENIA	12501	NY
21-13-9770	VAIL BROTHERS	CLOVE VALLEY RD.	LAGRANGEVILLE	12540	NY
21-13-9966	HILPERTSHAUSER, HARRY	80STON CORNERS ROAD	MILLERTON	12546	NY
21-14-0002	PETER, FREDERICK	RO 3	EAST AURORA	14052	NY
21-14-0021	FEASLEYS DAIRY	WEST CHURCH ST.	EOEN	14057	NY
21-14-0027	ERIE COUNTY FARM	WENDE RD	ALOEN	14004	NY
21-14-0037	PINE GROVE FARMS 1	RICE ROAD	ELMA	14059	NY
21-14-0041	WIDEMAN AND SNYDER	HUNTS CORNER	AKRON	14001	NY
21-14-0067	GUENTHER, GERALD	CAPITAL HEIGHTS	HOLLAND	14080	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET DR ROUTE	TOWN	ZIP-CODE	STATE
21-14-0095	SASSE, OTTO	GENESEE ROAD	EAST CONCORD	14055	NY
21-14-0110	LAMB, JAY	JENNINGS ROAD	EDEN	14057	NY
21-14-0118	TIMMEL, LESTER	BROWN STREET	COLLINS	14034	NY
21-14-0127	TDMLINSON BROTHERS		WALES CENTER	14169	NY
21-14-0167	SCHULTZ, ROBERT AND SON	ROUTE 39	COLLINS	14034	NY
21-14-0168	MILES, ARTHUR	SD NEWSTEAD RD	AKRON	14001	NY
21-14-0182	GINGERICH, EARL	FDUR RD RD. R D 3	EAST AURORA	14052	NY
21-14-0186	LUNO, BRUCE	MAYO ROAD	SPRINGVILLE	14141	NY
21-14-0193	BRAYMILLER, ROBERT	JENNINGS ROAD	LAWTONS	14091	NY
21-14-0197	PHILLIPS, CLARK C.	PONTIAC ROAD	ANGOLA	14006	NY
21-14-0204	PERRIN, DONALD & ROBERT	CENTERLINE ROAD	SOUTH WALES	14139	NY
21-14-0258	HAUTH, RICHARD	RT 219	BOSTON	14025	NY
21-14-0263	BREMILLER, WILLIAM N.	PRATHAM ROAD	EAST CONCORD	14055	NY
21-14-0265	ELLS, LEWIS H.	TWO ROD ROAD	EAST AURORA	14052	NY
21-14-0273	BUFFUM, DAVID	3751 BULLIS ROAD	ELMA	14059	NY
21-14-0282	LUOERS, HARLAN	SCHULTZ ROAD	ELMA	14059	NY
21-14-0294	PINE GROVE FARMS 2	L.I. BROWN TWDROO	EAST AURORA	14052	NY
21-14-0299	OFFHAUS, BRUCE H.	12490 LIBERIA ROAD	EAST AURORA	14052	NY
21-14-0314	BUTZER BROTHERS		COLLINS	14034	NY
21-14-0345	LOCH LEE FARM 2	12617 BROADWAY	ALOEN	14004	NY
21-14-0348	GREATBATCH, JOHN	ROUTE 5	AKRON	14001	NY
21-14-0349	M & D FARM	ROUTE 39	CHAFFEE	14030	NY
21-14-0397	YOUSEY FARMS	MEHL ROAD	AKRON	14001	NY
21-14-0439	SCHLBLE, ROBERT	ALLEN ROAD	EAST CONCORD	14055	NY
21-14-0453	EMERLING, BERNARD	EMERLING RD	SPRINGVILLE	14141	NY
21-14-0620	WIEDEMANN, ALAN H.	CURRIERS ROAD	CHAFFEE	14030	NY
21-14-0697	SECHRIST, GEORGE L.	HOLLAND-GLENWOOD R	HOLLAND	14080	NY
21-14-0704	MITZEL, RALPH G.	PAVEMENT ROAD	LANCASTER	14086	NY
21-14-0780	GERNATT, FRANCIS	BROWN ST	COLLINS	14034	NY
21-14-0782	ROTH, WILFORD	STAGE ROAD	CLARENCE	14031	NY
21-14-0798	RUPP, L. A. AND SON	OSTRANDER ROAD	EAST AURORA	14052	NY
21-14-0878	HANAY, WESLEY W. & FRED	ELORIDGE ROAD	EAST AURORA	14052	NY
21-14-0975	BREMILLER, NICHOLAS	PRATHAM RD	EAST CONCORD	14055	NY
21-14-9034	SCHINTZIUS, PAUL	WEED HILL ROAD	SOUTH WALES	14139	NY
21-14-9128	RICHARSON, PHILIP	S NEWSTEAD RD	AKRON	14001	NY
21-14-9255	HANDY, JAMES	STOLLE ROAD	EAST AURORA	14052	NY
21-14-9296	SMITH, LEON & SONS	PRATHAM ROAD	EAST CONCORD	14055	NY
21-14-9415	WINKEY, THEODORE J.	ROUTE 39	SARONIA	14134	NY
21-14-9468	BOCKHAHN BROTHERS	GENESE RD	EAST CONCORD	14055	NY
21-14-9629	LOCH LEE FARM 1	12617 BROADWAY	ALOEN	14004	NY
21-15-0012	CLARK, DARWIN BRO	BOX 47	WALLONSBURG	12994	NY
21-15-0269	WEST, JOHN A.		WILLSBORO	12996	NY
21-16-0027	AUBREY, OAVIO	RT 2	BURKE	12917	NY
21-16-0032	PERHAM, HAROLD	ROUTE 1	MALONE	12953	NY
21-16-0039	NORTHERN-GLO FARMS	R 2 BOX 11	NORTH BANGOR	12966	NY
21-16-0079	ALLEN, HAROLD J.	ROUTE 2	NORTH BANGOR	12966	NY
21-16-0098	ELLSWORTH, JOHN	RD 1	FORT COVINGTON	12937	NY
21-16-0120	COLLINS, ARLINGTON	R F D 3	MALONE	12953	NY
21-16-0188	HDLMES, DONALO	ROUTE 1	MALONE	12953	NY
21-16-0195	OEBYAH, LEROY	ROUTE 1	NORTH BANGOR	12966	NY
21-16-0200	DURANT, JAMES	ROUTE 1	BDM8AY	12914	NY
21-16-0205	RICHARDS, BERNARD	BOX 100	BRUSHTON	12916	NY
21-16-0381	CHILD, ALLEN	ROUTE 2	MALONE	12953	NY
21-16-0389	ZWICKER FARMS	R F D 3	MALONE	12953	NY
21-16-0412	MILLER, FREDERICK FM 1	ROUTE 3	MALONE	12953	NY
21-16-0472	DIMOND, JAMES F.		FORT COVINGTON	12937	NY
21-16-0610	PERKINS, ROBERT	BOX 371	BRUSHTON	12916	NY
21-16-9017	BOVA, FRED		BURKE	12917	NY
21-16-9091	BROCKWAY, FLOYD & SON	ROUTE 1	FORT COVINGTON	12937	NY
21-16-9108	SILVER DAWN DAIRY	ROUTE 2 M. REYNOLD	BURKE	12917	NY
21-16-9121	SWANSTON AND MCHAROY	WHITE ST	CHATEAUGAY	12920	NY
21-16-9173	EGAN, JAMES	ROUTE 2	NORTH BANGOR	12966	NY
21-16-9285	HEAVEN HILL FARM		LAKE PLACID	12946	NY
21-18-0011	BRUNING, CARL	BLOOMINGDALE ROAD	AKRON	14001	NY
21-18-0012	BRUNING, DONALD	TESNOW RD	AKRON	14001	NY
21-18-0014	CASPER, HAROLD	R D 3	BATAVIA	14020	NY
21-18-0035	SIEK, NORMAN & MARTIN	1764 BROADWAY	OARIE CENTER	14040	NY
21-18-0103	GREEN, DONALD	BOX 1040	BATAVIA	14020	NY
21-18-0106	IVISON, HOMER	IVISON RD	SOUTH BYRON	14557	NY
21-18-0107	THURBER, ROGER	LEDGE RD	BASDM	14013	NY
21-18-0126	YDUSEY, JOSEPH	JUDGE ROAD	BASOM	14013	NY
21-18-0212	WAITE, ARLO & SON FM 2	CREEK ROAD	ALEXANDER	14005	NY
21-18-0232	WAITE, ARLO & SON FM 1	CREEK ROAD	ALEXANDER	14005	NY
21-18-0261	MICKEY BROTHERS		ELBA	14058	NY
21-18-0276	REYNOLDS, EDWARD	ROUTE 77	CORFU	14036	NY
21-18-0281	SMITH BROTHERS	1232 INDIAN FALLS	CORFU	14036	NY
21-18-0299	ORR, JAMES	DOOGESON ROAD	ALEXANDER	14005	NY
21-18-0417	ACOMB, ROBERT & MARJORIE	RT 5 ACOMB FARM	STAFFORD	14143	NY
21-18-0427	SNELL, ROGER	AIRVILLE RD	CORFU	14036	NY
21-18-0463	GREHLINGER, DUANE	LEWISTON RD	BASOM	14013	NY
21-18-0478	REYNOLDS, GERALD	REYNOLDS RD	CORFU	14036	NY
21-18-0647	PDOCK, ROBERT & SONS	PODOCK ROAD	BERGEN	14416	NY
21-18-0649	SHARP, CLAYTON	LOCKPORT RD	OAKFIELD	14125	NY
21-18-0756	YUNKER, CARL	TRANSIT RD	ELBA	14058	NY
21-18-9010	MY T ACRES HERO 1	8127 LEWISTON ROAD	BATAVIA	14020	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-18-9296	PENGELLY, WILLARD	LAKE ROAD	BERGEN	14416	NY
21-18-9464	KLDITZBACK BROTHERS	R D 1	CORFU	14036	NY
21-18-9565	HAHN, GEORGE V.	5982 MERRILL ROAD	BYRON	14422	NY
21-19-0007	COXSACKIE CORRECTION FAC	ARTHUR GUSTAVSON	WEST COXSACKIE	12192	NY
21-19-0019	MINSHELL, JACK HERD 1	R O 1	COXSACKIE	12051	NY
21-19-0024	LASHER, WILLIAM H.	R F D 1	CATSKILL	12414	NY
21-19-0028	OLIVER, HENRY L.		PRATTSVILLE	12468	NY
21-19-0061	PARTRIDGE, ALFRED, HD1		EAST DURHAM	12423	NY
21-19-0067	AUGSTEIN, P. AND R.	R O 1 BOX 165	GREENVILLE	12083	NY
21-19-0076	SUTTON, ERICK		CORNWALLVILLE	12418	NY
21-19-0103	BRABANT, ROBERT	R D 1	PRATTSVILLE	12468	NY
21-19-0104	LANGE, DORTHEE	GAYHEAD ROUTE	LEEDS	12451	NY
21-19-0113	BEAR, ORLOFF		GREENVILLE	12083	NY
21-19-0115	FARBER, JOHN J.	R F D JJF FM	EAST JEWETT	12424	NY
21-19-0120	TRYON, CHARLES & SDN		NORTON HILL	12135	NY
21-19-0866	ALLEN, RALPH L.		ATHENS	12015	NY
21-19-9112	CONINE, EVERETT	R F D	PRATTSVILLE	12468	NY
21-20-0002	CASLER, IRVING	R D 3	LITTLE FALLS	13365	NY
21-20-0003	WICHOWSKY, STANLEY	R D 1	FORT PLAIN	13339	NY
21-20-0009	FURNER, STUART	RD 2	RICHFIELD SPRINGS	13439	NY
21-20-0029	TRE-ART FARM	R D 1	HERKIMER	13350	NY
21-20-0030	JOHNSON, ROBERT	ROUTE 1	ILION	13357	NY
21-20-0051	WATKINS, JOHN T.	ROUTE 2	WEST WINFIELD	13491	NY
21-20-0059	BURNS FARMS	R D 2	LITTLE FALLS	13365	NY
21-20-0063	KAPALA, MATTHEW	R O 3	LITTLE FALLS	13365	NY
21-20-0064	OEMEREE, GEORGE	R D 3	LITTLE FALLS	13365	NY
21-20-0088	WINDECKER, LEROY	R O 3	FRANKFORT	13340	NY
21-20-0093	ZALESKI, JOSEPH	R O 2	WEST WINFIELD	13491	NY
21-20-0104	LOYAL CREEK FARM	RD 1	FORT PLAIN	13339	NY
21-20-0126	KAPALA, WILLIAM	R D 1	FORT PLAIN	13339	NY
21-20-0161	GILBERT, LEONARD	R O 1	MOHAWK	13407	NY
21-20-0173	ALLEN, MADISON G.	STAR ROUTE	WEST WINFIELD	13491	NY
21-20-0192	MANOR SPRINGS	R D 1	LITTLE FALLS	13365	NY
21-20-0200	TELSTAR FARMS	R D 2 CHLUS BROS.	LITTLE FALLS	13365	NY
21-20-0204	BUROICK, GLENN C.	ROUTE 1	WEST WINFIELD	13491	NY
21-20-0212	BRACE, EUGENE HOWARD	ROUTE 1	WEST WINFIELD	13491	NY
21-20-0219	SCHWASNICK, JOSEPH	R D 2	MOHAWK	13407	NY
21-20-0228	LAMANNA, CARMEN J.	MANAVAL FARM R D 2	LITTLE FALLS	13365	NY
21-20-0256	SLAUGHTER, ROGER	R O 1	ILION	13357	NY
21-20-0283	BURKE, BRADLEY	ROUTE 1	WEST WINFIELD	13491	NY
21-20-0319	CASLER, CHARLES F. JR.	ROUTE 1	WEST WINFIELD	13491	NY
21-20-0460	PRIOR, CARLTON	R O 1	CLAYVILLE	13322	NY
21-20-0583	WHEELER, ROBERT C.	R O 1	NEWPORT	13416	NY
21-20-0615	MANHEIM FARMS	R D 1	LITTLE FALLS	13365	NY
21-20-0654	UPSON FARMS 1	R O 3	FRANKFORT	13340	NY
21-20-0660	ODN-OALE FARMS	ROUTE 1	FRANKFORT	13340	NY
21-20-0802	VAN VECHTEN, ARTHUR JR	ELIZABETH STREET	FRANKFORT	13340	NY
21-20-0913	HAUGHTON, PALMER	RFD 1	LITTLE FALLS	13365	NY
21-20-0981	GETMAN, ROBERT C.	R O 1	MOHAWK	13407	NY
21-20-9383	MALLYDALE FARM	R O 1	LITTLE FALLS	13365	NY
21-20-9536	OAVY, F. OAVIO, JR.	R D 1	FORT PLAIN	13339	NY
21-21-0039	CALL, CLARENCE	ROUTE 1	EVANS MILLS	13637	NY
21-21-0057	WALDRUFF, WILLIAM		LA FARGEVILLE	13656	NY
21-21-0064	ISHAM AND HAZELTON		ROOMAN	13682	NY
21-21-0092	JEWETT, LAWRENCE	RD 2	EVANS MILLS	13637	NY
21-21-0094	AUBERTINE, P. AND T.		CAPE VINCENT	13618	NY
21-21-0097	LITTLEFIELD, CLARENCE M.	R O 1	WATERTOWN	13601	NY
21-21-0103	MCINTYRE, WILLIAM A.	ROUTE 2	THERESA	13691	NY
21-21-0111	CAOY, CHARLES F.	RFO 1	SACKETS HARBOR	13685	NY
21-21-0114	BEORR, J W	43 NORTH PARK STRE	AOAMS	13605	NY
21-21-0148	SHELMIOINE, CLARENCE	R F D	MANNSVILLE	13661	NY
21-21-0151	BROWN, HOWARD A.	R O 2	MANNSVILLE	13661	NY
21-21-0239	BARNEY, RICHARD		WOODVILLE	13698	NY
21-21-0245	PATTERSON FMS-W PATTERSON	PATTERSON RD	WATERTOWN	13601	NY
21-21-0248	MACHOLD, H. E.		ELLISBURG	13636	NY
21-21-0259	SHELMIOINE, DONALD W.	R D 1	AOAMS	13605	NY
21-21-0271	ALFORD, HARVEY	RD 2	MANNSVILLE	13661	NY
21-21-0285	WHITECREST FARM	RD 1	ADAMS	13605	NY
21-21-0306	ODRR FARMS	R O 1 RICHARD DORR	BLACK RIVER	13612	NY
21-21-0309	EVELEIGH, BERNARD	R D 1	MANNSVILLE	13661	NY
21-21-0326	MACHOLO, H. E. FM 1		ELLISBURG	13636	NY
21-21-0359	EASTMAN, WILLIAM G.	STAR RT	ELLISBURG	13636	NY
21-21-0384	SAWYER, FRED	ROUTE 2	WATERTOWN	13601	NY
21-21-0392	KLOCK, MELVIN R.	R O 2	LA FARGEVILLE	13656	NY
21-21-0411	NOHLE, RALPH AND DONNA	STAR ROUTE	ADAMS	13605	NY
21-21-0422	HANLON, ROBERT	ROUTE 1	BLACK RIVER	13612	NY
21-21-0427	MITCHELL, H. BEN		LA FARGEVILLE	13656	NY
21-21-0430	TIMERMAN, CLIFTON FM 2	ROUTE 1	LA FARGEVILLE	13656	NY
21-21-0448	ZEHR, JOHN W.		WOODVILLE	13698	NY
21-21-0507	ZEHR, GLENN	R D 1	WOODVILLE	13698	NY
21-21-0508	HALKO, CARL	ROUTE 2	WATERTOWN	13601	NY
21-21-0526	KIECHLE, CARL L.	ROUTE 1	PHILADELPHIA	13673	NY
21-21-0556	FIELDS, FREDERICK A.	STAR ROUTE	SACKETS HARBOR	13685	NY
21-21-0559	OVERTON, R. M.	RFD 1	AOAMS	13605	NY
21-21-0569	HOLMAN, DONALD	BOX 7 STAR ROUTE	AOAMS	13605	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-21-0586	STACKEL, DOUGLAS FM 2	RT 1	BLACK RIVER	13612	NY
21-21-0589	SAWYER, RAYMOND F.	ROUTE 2	WATERTOWN	13601	NY
21-21-0594	FLEMING, THOMAS W.	ROUTE 2	COPENHAGEN	13626	NY
21-21-0622	TIMERMAN, CLIFTON FM 4	ROUTE 1	LA FARGEVILLE	13656	NY
21-21-0645	FINNEY, JANICE & PETER	STAR ROUTE	ADAMS	13605	NY
21-21-0647	PORTER, GLENN C.	HOLSTEIN RD 3	WATERTOWN	13601	NY
21-21-0773	LAWRENCE BROTHERS	RD 1	CAPE VINCENT	13618	NY
21-21-0820	SAWYER, DONALD H.	R D 2	WATERTOWN	13601	NY
21-21-0883	JACKSON, MAE	RD 1	SANDY CREEK	13145	NY
21-21-0924	SKINNER, TRACEY	R D 1	WOODVILLE	13698	NY
21-21-0948	HUNTER, ROSCOE & ALAN		REDWOOD	13679	NY
21-21-0961	PORTER, GLENN C.	AYRSHIRE R D 3	WATERTOWN	13601	NY
21-21-0972	ADAMS, WILFORD H.		DEXTER	13634	NY
21-21-0966	MEAD, WILBUR AND LARRY	STAR ROUTE	ADAMS	13605	NY
21-21-0914	SHIMEL, H. FOSTER & SON	ROUTE 2	LA FARGEVILLE	13656	NY
21-21-0945	DEER LICK FARM		CAPE VINCENT	13618	NY
21-22-0005	HILL, BERNARD	R D 2	LDWVILLE	13367	NY
21-22-0045	WILBERT, DONALD	BALSAM ACRES	WEST LEYDEN	13489	NY
21-22-0049	MARDLF, WAYNE	ROUTE 1	COPENHAGEN	13626	NY
21-22-0081	TABDLT, RUSSELL		CRDGHAN	13327	NY
21-22-0112	A.W.-PONDERSA	R D 1	COPENHAGEN	13626	NY
21-22-0148	WIDRICK, AARON A.	R D 2	LDWVILLE	13369	NY
21-22-0150	BEYER, PHILIP A.	R D 1 CRESTLAWN FA	CASTORLAND	13620	NY
21-22-0163	STEWART, LEON K.	RD 1 DRIFTWOOD ACR	LDWVILLE	13367	NY
21-22-0172	MARDLF, NELSON	ROUTE 1	CASTORLAND	13620	NY
21-22-0197	BOSHART, HAROLD	RD 1 NURSERY VIEW	LDWVILLE	13367	NY
21-22-0201	WIDRICK, NELSON	ROUTE 1	CRDGHAN	13327	NY
21-22-0203	ZEHR, DONALD	R D	CRDGHAN	13327	NY
21-22-0237	LEE, MILLER		TURIN	13473	NY
21-22-0441	YANCEY, GERALD	RD2 BLUE PLATEAU F	LDWVILLE	13367	NY
21-22-0580	FARNEY, HERBERT & WILBUR		LDWVILLE	13367	NY
21-22-0581	PETERSON, ROBERT	R D 2	LDWVILLE	13367	NY
21-22-0583	SCHNEIDER, H. AND R.	R D 1	LDWVILLE	13367	NY
21-22-0328	MURCH, DAVID	RD1 SILVERWOOD FAR	LDWVILLE	13367	NY
21-23-0015	COLLINS BROTHERS	RD 1	AVON	14414	NY
21-23-0029	MILLWHEEL FARM, T. COYNE	5196 BARBER ROAD	AVON	14414	NY
21-23-0031	MCKELVEY AND SON	RD 1	GENESEE	14454	NY
21-23-0033	BEECHER, R. C.	LIVONIA CENTER ROAD	LIVONIA	14487	NY
21-23-0055	BRYANT, RAYMOND	R D 2	MOUNT MORRIS	14510	NY
21-23-0060	LOGSDON, W VALLEY VIEW F	YORK ROAD	PIFFARD	14533	NY
21-23-0094	LAWNEL FARMS	CRAIGS ROAD	PIFFARD	14533	NY
21-23-0095	WEEWOOD FARMS	RD	CALEDONIA	14423	NY
21-23-0135	BRIGGS, EDWIN	R D 1	WAYLAND	14572	NY
21-23-0146	KORTH, WILLIAM		CALEDONIA	14423	NY
21-23-0150	DONNAN AND DONNAN		PIFFARD	14533	NY
21-23-0162	SMITH, ROGER	R.D. 1	LIMA	14485	NY
21-23-0173	WORTSMAN, FRED	ROUTE 2D	AVON	14414	NY
21-23-0201	KURTZ, VINCENT		LIVONIA	14487	NY
21-23-0218	SUNBURST ACRES	CURRY & SONS 80X 49	YORK	14592	NY
21-23-0256	MCEVDY FARMS 2	7613 TOWNLINE ROAD	LIMA	14485	NY
21-23-0263	THOMPSON, GERALD	R D 1	HUNT	14846	NY
21-23-0271	VANZANDT, WILLIAM & SON		LIVONIA	14487	NY
21-23-0476	MULLIGAN FARM INC.	R D 1	AVON	14414	NY
21-23-0490	NAGEL, FREDERICK	R D	PIFFARD	14533	NY
21-23-0491	WYAND, EUGENE	RD	CALEDONIA	14423	NY
21-23-0590	PATRICK, L. AND R.		PERRY	14530	NY
21-23-0810	ANDERSON J. O.	AGARD ROAD	AVON	14414	NY
21-23-0811	COYNE FARMS	R D 1	AVON	14414	NY
21-23-0937	NOBLEHURST FARMS	RD 2	PAVILION	14525	NY
21-23-0976	PARNELL, STEWART		PIFFARD	14533	NY
21-24-0014	DURFEE, W. L. & FAMILY	R D 1	CHITTENANGO	13037	NY
21-24-0016	TAYNTOR, ROBERT	R D 1	MORRISVILLE	13408	NY
21-24-0020	HARVEY, GLENN	BOX 186	EARLVILLE	13332	NY
21-24-0090	HIRT, IVAN O.	RD 1	NEW WOODSTOCK	13122	NY
21-24-0125	JONES, HARLAN W.	R D 3	CAZENOVIA	13035	NY
21-24-0130	CURTIS, RUSSELL AND SONS	R D 3	CAZENOVIA	13035	NY
21-24-0217	SMITHLAND FARMS	R D 3 BOX 43	CANASTOTA	13032	NY
21-24-0219	NEWTON, WILLIAM	DIAT WRIGHT NEWT	CAZENOVIA	13035	NY
21-24-0221	BRANAGAN, DONALD L.	R D 2	EARLVILLE	13332	NY
21-24-0239	WASHBON, DONALD F.	R D 3	CAZENOVIA	13035	NY
21-24-0293	WHIPPLE, FREDERICK		CHITTENANGO	13037	NY
21-24-0303	JENNY BROS FM 2	R D 1	EATON	13334	NY
21-24-0332	WILCOX, CLIFFORD	R D 1	EATON	13334	NY
21-24-0333	GEISLER, WALTER AND SON	R D 1	MUNNSVILLE	13409	NY
21-24-0337	BURKERT, ELMER J.	R D 1	BOUCKVILLE	13310	NY
21-24-0343	ABER, GLEN & MARJORIE	GAIL ROAD	MORRISVILLE	13408	NY
21-24-0350	OSTER, DONALD	R D 3 BOX 43	CANASTOTA	13032	NY
21-24-0380	CURTIN BROTHERS	WEST ROAD R D 2	ONEIDA	13421	NY
21-24-0384	TOPMEAO FARMS	R3 LESTER LONG & S	CANASTOTA	13032	NY
21-24-0389	EAVES, CHARLES FM 2	WEST ROAD R D 2	ONEIDA	13421	NY
21-24-0396	BREWER FARM 2	R D 1	ONEIDA	13421	NY
21-24-0405	BUSH, LOUIS	R D 2	CAZENOVIA	13035	NY
21-24-0436	DERAWAY, NEIL L.	R D 2	MUNNSVILLE	13409	NY
21-24-0570	SMITHFIELD FARMS	R D 1	PETERBORO	13134	NY
21-24-0661	JUOD, STANLEY H.	R D 1	DE RUYTER	13052	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-24-0668	JENNY 8RDS.	R D 1	EATON	13334	NY
21-24-0894	SHEPARD, DAVE & DDN	R D 1	CAZENOVIA	13035	NY
21-24-0933	NOVER FARMS, INC. 1	R D 2	EARLVILLE	13332	NY
21-24-0966	SNDW, C. W. AND SONS	STAR ROUTE	NORTH 8R0DKFIELD	13418	NY
21-24-0988	TIMERMAN, ALLEN	R D 3	CANASTOTA	13032	NY
21-24-0994	HOLMES, EDMUND L.	R D 1	NEW WOODSTOCK	13122	NY
21-24-0996	HOLMES, M. C. AND SON	R D 3	CAZENOVIA	13035	NY
21-24-9061	HEAD, CLYDE AND SON	R D 2	WATERVILLE	13480	NY
21-24-9210	SDULE, DAVID F.	R D 2	HAMILTON	13346	NY
21-24-9398	ELLIOT, JAMES	R D 1	EATON	13334	NY
21-24-9491	HEADSON HOLSTEINS	R D 2	WATERVILLE	13480	NY
21-24-9495	NYS AGRIC. TECH. COLLEGE	8DX P	MORRISVILLE	13408	NY
21-24-9504	WINTERCREST FARMS		PRATTS HOLLWD	13434	NY
21-24-9630	ECCLESTON, C. A.	8RDAD STREET	HAMILTON	13346	NY
21-24-9657	KELSEY, MONFORD AND SON	R O 4	CANASTOTA	13032	NY
21-24-9671	EVANS, GERALD	R F D 1	GEORGETOWN	13072	NY
21-25-0015	STATE AGRIC. & IND. SCH.	SCOTTSVILLE RUSH R	INDUSTRY	14474	NY
21-25-0038	KEBERLE, RAY AND BILL	2546 CHURCH ROAD	HAMLIN	14464	NY
21-25-0179	EHMENTRAUT, JAMES	84 SOUTH MAIN ST	CHURCHVILLE	14428	NY
21-25-0499	ZUBER, WILLIAM	4001 WEST SIDE DRI	CHURCHVILLE	14428	NY
21-25-0504	JENNEJAHN, LUTHER	1113 WEST AVE.	HILTON	14468	NY
21-25-0561	DENNICREST FARM	1920 GLDRIA DRIVE	FAIRPORT	14450	NY
21-25-0789	8R0DIE, JOHN H. HERD 1	272 DEWEY ST.	CHURCHVILLE	14428	NY
21-25-0791	SMITH, GEORGE AND LES	276 COLBY ROAD	SPENCERPORT	14559	NY
21-25-9787	MONCONY FARMS	270 PINE HILL ROAD	SPENCERPORT	14559	NY
21-26-0017	ZELSON FARMS	R D 3	FORT PLAIN	13339	NY
21-26-0041	STOCKWELL 8R0THERS	R D 3	FORT PLAIN	13339	NY
21-26-0054	RUSSELL, LINCOLN	R D 1	LITTLE FALLS	13365	NY
21-26-0085	FRAISER, PAUL	R D 1	JOHNSTOWN	12095	NY
21-26-0096	WEAKLEY 8R0THERS	R D 2	CANAJOHARIE	13317	NY
21-26-0167	WIDANKA, STEPHEN	R D 1	FORT PLAIN	13339	NY
21-26-0186	BELLINGER, EARL	R D 4	AMSTERDAM	12010	NY
21-26-0222	LENWORB FARM	R D 1 ATT FRED CAR	JOHNSTOWN	12095	NY
21-26-0263	SPRINGER, EARL	R D 0	8RDADAL8IN	12025	NY
21-26-0267	MUELLER, RICHARD	R O 1	ST JOHNSTOWN	13452	NY
21-26-0273	LASHER, PAUL	R D 1	FONDA	12068	NY
21-26-0286	MEYERS, RICHARD	R D 1	CANAJOHARIE	13317	NY
21-26-0298	FRASIER, MYRON	R D 1	JOHNSTOWN	12095	NY
21-26-0320	FRANCISCO, JACK	R O 2	AMSTERDAM	12010	NY
21-26-0330	SACKETT & BARGSTEDT HD 1	HIGH VALLEY FM. RD	AMSTERDAM	12010	NY
21-26-0337	ARGOTSINGER, BURLIN	R D 2 80X 408	GLOVERSVILLE	12078	NY
21-26-0353	DETTMER, HAROLD	R D 3	FORT PLAIN	13337	NY
21-26-0363	WAY, BURTON	R D 1	PATTERSONVILLE	12137	NY
21-26-0369	VANLOAN, GRANT W.	R O 3	FORT PLAIN	13339	NY
21-26-0382	BEAM, GUY	R D 1	FORT PLAIN	13339	NY
21-26-0387	ODNNAN, JAMES	ATT WM J MURPHY RD	JOHNSTOWN	12095	NY
21-26-0395	BUNKER, SETH	R D 2 CREEK ACRES	AMSTERDAM	12010	NY
21-26-0399	RIDGEDALE	WILLIS CONARD RD2	SHARON SPRINGS	13459	NY
21-26-0457	HUNT, FRANKLIN	R D 1	SPRAKERS	12166	NY
21-26-0459	COUNTRYMAN, CHARLES	R D 1	CANAJOHARIE	13317	NY
21-26-0461	MEAD, WARREN AND SON	R D 2	AMSTERDAM	12010	NY
21-26-0512	REED SWISS FARM	R D 1	JOHNSTOWN	12095	NY
21-26-0526	PATTERSON, ROGER	R D 1	PATTERSONVILLE	12137	NY
21-26-0741	FOX, KENNETH	R D 1	FONDA	12068	NY
21-26-0789	EGLSTON, RALPH	R D 1	FULTONVILLE	12072	NY
21-26-0798	PHILLIPS, RONALD H.	R D 1	PATTERSONVILLE	12137	NY
21-26-0805	MACE, ROBERT	R D 1	SPRAKERS	12166	NY
21-26-0848	ELLSWORTH, WALTER	R D 0	PALATINE BRIDGE	13428	NY
21-26-0906	SHORT, DONALD	R D 1	CANAJOHARIE	13317	NY
21-26-0941	SCOTT, MICHAEL	R D 1	AMSTERDAM	12010	NY
21-26-0959	SMITH, DONALD	R D 1	CANAJOHARIE	13317	NY
21-26-0975	HODGE, MERLE		AMES	13317	NY
21-26-9275	BAER, FRED	R D 1	PALATINE BRIDGE	13428	NY
21-26-9290	TRIUMPHO, RICHARD	R O 1	SAINT JOHNSTOWN	13452	NY
21-26-9408	ODUMA, WILLIAM	R O 3	FORT PLAIN	13339	NY
21-28-0051	MCCOLLUM, ROBERT & WALTER	RD 2	LOCKPORT	14094	NY
21-28-0056	WENDT, DONALD A.	SAUNDERS SETTLEMEN	SANBORN	14132	NY
21-28-0060	MILLEVILLE CARL & WILBER	2106 CAYUGA DR EX	NIAGARA FALLS	14300	NY
21-28-0068	LYNDAKER, ELMER	8746 LAKE RD. R.D.	BARKER	14012	NY
21-28-0071	HUMAN, NORMAN	R O 1	SANBORN	14132	NY
21-28-0076	MAVERICK FM 1 L. KOWALSK	R O 4	LOCKPORT	14094	NY
21-28-0089	HASELEY, HARVEY AND SONS	3109 LOCKPORT ROAD	SANBORN	14132	NY
21-28-0100	KROENING, MARTIN	R O 1	SANBORN	14132	NY
21-28-0277	SCHMITT, DANIEL AND SON	R 4 BOX 73	LOCKPORT	14094	NY
21-28-0301	MCCOLLUM HOLSTEIN FARMS	R O 2	GASPORT	14067	NY
21-28-0518	MANN, JOHN A.	5780 RIDGE ROAD	LOCKPORT	14094	NY
21-28-0539	PATTERSON, CARL	R D 1	GASPORT	14067	NY
21-28-0541	SWEENEY, JOHN E. SR.	7367 WEST SOMERSET	APPLETON	14008	NY
21-28-0543	DEVEREAUX, THOMAS & SONS	R D 1	APPLETON	14008	NY
21-28-0982	MARCKS, HAROLD	RD 1	WILSON	14172	NY
21-28-9007	KLUMPP, ELMER & SONS	HESS ROAD	APPLETON	14006	NY
21-29-0012	TYLER, GEORGE F.	ELMER HILL ROAD	ROME	13440	NY
21-29-0030	MOSKIN, MICHAEL	RD 1	AVA	13303	NY
21-29-0055	GRENHOLM FARM 1	R O 1	BLOSSVALE	13308	NY
21-29-0094	ALKIP FARM	7406 TOWNLINE ROAD	ROME	13440	NY

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-29-0123	JONES, ROY & MAURICE	R D 2	REMSEN	13438	NY
21-29-0126	REGNER, OELWIN	RD 2	ONEIOA	13421	NY
21-29-0150	VANHATTEN, HERBERT	PUTMAN ROAD	BARNEVELD	13304	NY
21-29-0194	LAW, WILLIAM M.	RD 1	WESTERNVILLE	13486	NY
21-29-0220	SCHERZ, FRED	6081 ROCK ROAD	VERONA	13478	NY
21-29-0245	NIGHTINGALE, GERALD & LYND	R D 2	BOONVILLE	13309	NY
21-29-0255	SNELL, JOSEPH A.	R D 1	HOLLAND PATENT	13354	NY
21-29-0267	KRZEWSKI BROTHERS	R F O 1	AVA	13303	NY
21-29-0307	MURPHY, ROBERT		TABERG	13471	NY
21-29-0308	HARRISON, EDWIN S. JR.		CAMDEN	13316	NY
21-29-0363	CHANDLER, VERNON	RD 1	VERNON CENTER	13477	NY
21-29-0369	MORGAN, RALPH W.	897 SULPHUR SPRGS	SAUQUOIT	13456	NY
21-29-0378	TUTTLE BROTHERS	SUMMIT ROAD 559	CASSVILLE	13318	NY
21-29-0384	VAN LIESHOUT, HENRY & LE	RD 1 BRABANT FM.	VERONA	13478	NY
21-29-0389	CLARK, FLOYD	HILLSBORO ROAD	CAMDEN	13316	NY
21-29-0391	NORMAN, JOHN & WILLIAM	R D 2	ROME	13440	NY
21-29-0402	WATKINS, KEITH & SONS	AUGUSTA SOLSVILLE	ORISKANY FALLS	13425	NY
21-29-0403	PALEN, WILLARD	R D 1	BLOSSVALE	13308	NY
21-29-0438	LANDECKER, GEORGE	R D 1	REMSEN	13438	NY
21-29-0466	MOSHER, PAUL AND NATHAN	RD 2	VERONA	13478	NY
21-29-0501	HEWITT, OTHELLO A.	R D 1	MAISON	13402	NY
21-29-0624	GRENHOLM FARM 2	R D 1 ATT R. COLLI	BLOSSVALE	13308	NY
21-29-0649	HARRIS, ARTHUR E. + SON	RD1 HARVERON FMS	VERONA	13478	NY
21-29-0730	ROME STATE SCHOOL	SOUTH JAMES ST	ROME	13440	NY
21-29-0772	ECKEL BROTHERS	R D 1	BLDSSVALE	13308	NY
21-29-0796	OERTLE FARMS	R D 1	CASSVILLE	13318	NY
21-29-0800	SCHALLENBERG, ROLAND		WESTERNVILLE	13486	NY
21-29-0905	SHOLTZ, FLOYD & SON	R D 2	ONEIOA	13421	NY
21-29-0937	HENOERBERG, WM. & GARY	6536 HENOERBERG RD	ROME	13440	NY
21-29-0997	EDDY, JOHN	R D 3	ROME	13440	NY
21-29-9017	BURNS BROTHERS	RFO 1	VERNON CENTER	13477	NY
21-29-9269	LALLIER, LOUIS P.	SNOWDEN HILL ROAD	NEW HARTFORD	13413	NY
21-29-9287	WILLIAMS, GEORGE S.		WEST WINFIELD	13491	NY
21-29-9364	HARDEN FARM 2	MCCONNELLSVILLE RD	CAMDEN	13316	NY
21-29-9365	HARDEN FARM 3	MCCONNELLSVILLE RD	CAMDEN	13316	NY
21-29-9556	JONES BROTHERS	RD 1	REMSEN	13438	NY
21-29-9660	KEMP, LELAND	RD 2	WATERVILLE	13480	NY
21-29-9743	ROBERTS, IDWAL	RD 1	HOLLAND PATENT	13354	NY
21-29-9852	VANDERWALKER, WILLIAM J.	RFO 1	LEE CENTER	13363	NY
21-29-9886	HARDEN FARM 1	MCCONNELLSVILLE RD	CAMDEN	13316	NY
21-30-0001	ABBDT, PAUL	R D 1	MARCELLUS	13108	NY
21-30-0010	HORSFORD, CARL AND SONS	RD 1	MARCELLUS	13108	NY
21-30-0012	HOUCK, RICHARD	RFO 2	MANLIUS	13104	NY
21-30-0019	SMITH, ROY P. & SON	KELLY ROAD	LAFAYETTE	13084	NY
21-30-0020	OLCOTT, CARL	R D	FABIUS	13063	NY
21-30-0023	HILL, ROBERT W.	R D 1	ELBRIEGE	13060	NY
21-30-0033	BETTINGER, ARTHUR	GREEN LAKE ROAD	KIRKVILLE	13082	NY
21-30-0055	KARASEK, RUOY AND SON	R D 1	CAMILLUS	13031	NY
21-30-0062	AUNGIER BROTHERS	RD 2	TULLY	13159	NY
21-30-0078	GODDORICH, GRANT		FABIUS	13063	NY
21-30-0091	BRATT, RALPH H.		MEMPHIS	13112	NY
21-30-0095	BAROWELL, ROY & ROBERT	R D 1	TULLY	13159	NY
21-30-0141	RISSE, WILLIAM C.	HERLHY ROAD R D 2	TULLY	13159	NY
21-30-0151	SPAULOING, DAVIO M.	R D 2	TULLY	13159	NY
21-30-0154	LONG, JOHN R	75 WARREN STREET	TULLY	13159	NY
21-30-0189	CRACKYS FARMS	R D 1	FABIUS	13063	NY
21-30-0192	CDYE, DONALD		JAMESVILLE	13078	NY
21-30-0200	FRAZEE, JAMES	RD 1	FABIUS	13063	NY
21-30-0201	CRYSLER BROTHERS	R D 1	MARCELLUS	13108	NY
21-30-0231	SCHNEIDER, WILLIAM & SON	RD 1	ELBRIEGE	13060	NY
21-30-0284	BAUMGARTNER, EMMETT	RFO 2	MANLIUS	13104	NY
21-30-0287	SEELEY FARMS	R D 1	MARCELLUS	13108	NY
21-30-0297	JOHNSON, HARDLO	R D 1	BALOWINSVILLE	13027	NY
21-30-0303	HARKNESS, JAMES & JERRY	R D 2	MARCELLUS	13108	NY
21-30-0309	JOHNSON, ALBERT	R D 1 KINGDOM ROAD	BALOWINSVILLE	13027	NY
21-30-0348	BENOER, M. PHILLIP	R D 1 KINGDOM ROAD	BALOWINSVILLE	13027	NY
21-30-0349	CATES, RAYMOND	DISCO VALLEY RD	PREBLE	13141	NY
21-30-0407	CLEVERLEY, JAMES & SONS	AIRY RIDGE FARM	WARNERS	13164	NY
21-30-0451	HALE, LEE	SALT SPRINGS RD	MANLIUS	13104	NY
21-30-0478	LIPE, WILLARD	POMPEY CENTER RD	MANLIUS	13104	NY
21-30-0532	KNAPP, DONALD & SON	R D 1	FABIUS	13063	NY
21-30-0638	EIBERT, CLARENCE ESTATE	R D 1	MARIETTA	13110	NY
21-30-0672	EVERINGHAM, ROBERT	GATES RD	LA FAYETTE	13084	NY
21-30-0695	FENLON BROTHERS	RD 1	TULLY	13159	NY
21-30-0854	HAYNES FARM	R D 1	TULLY	13159	NY
21-30-0898	MULROY DAIRY FARM	RD 1	MARCELLUS	13108	NY
21-30-0919	AUNGIER, BERNARD		LA FAYETTE	13084	NY
21-30-0934	MCDOWELL, DONALD	R D 1	JORDAN	13080	NY
21-30-0969	HILL, ROBERT K.	RD 1	ELBRIDGE	13060	NY
21-30-0976	CREGD, WILLIAM	R D 4	BALOWINSVILLE	13027	NY
21-30-9014	FISHER, FLOYD	RD 2	SYRACUSE	13200	NY
21-30-9031	HUDSON, A. W. AND SONS	MANDCREST FARMS	CAMILLUS	13031	NY
21-30-9079	VENIER, HENRY	9 SECONO AVE.	BRENTWOOD	11717	NY
21-30-9202	GATES HOMESTEAD FARM	RD 1	CHITTENANGO	13037	NY
21-30-9484	MURPHY, STANLEY	RD 1	TULLY	13159	NY

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-30-9561	WHEELER, RAYMOND	RD 1	MARIETTA	13110	NY
21-30-9821	COWLES, YALE AND SON	RD 1	MARIETTA	13110	NY
21-30-9960	MAPLE COVE FARM	RD 2	MANLIUS	13104	NY
21-30-9977	SOMES, BARTON AND GARRY	RD 1	MEMPHIS	13112	NY
21-31-0002	BROCKLEBANK, EDWARD	RD 3	CANANDAIGUA	14424	NY
21-31-0007	STANSWISS FARM	RFD 2	CANANDAIGUA	14424	NY
21-31-0030	LIGHTFOOTE, JOHN	R.D. 2 PEPEW ROAD	STANLEY	14561	NY
21-31-0039	HEMMINGER, RALPH	RD 2	GENEVA	14456	NY
21-31-0042	STRUB, WILLIAM	R F 0 1	CLIFTON SPRINGS	14432	NY
21-31-0045	WEIGERT, ROBERT	RD 1 BOX 181	MACEDON	14502	NY
21-31-0046	CHRISTIENSEN, JOHN & SON	RD 2	CLIFTON SPRINGS	14432	NY
21-31-0085	JENSEN, DONALD	RD 2	STANLEY	14561	NY
21-31-0094	SULLIVAN, JAMES	RD 2	HOLCOMB	14469	NY
21-31-0104	SHOEMAKER, DAVID	RD 2 FARVIEW FARM	CLIFTON SPRINGS	14432	NY
21-31-0187	LUPOLD BROTHERS	RD 2 STODARD RD	PALMYRA	14522	NY
21-31-0200	DECOOK, IRVING AND SONS	RD 1 SMITH ROAD	CLIFTON SPRINGS	14432	NY
21-31-0215	WEIGERT, ROBT ROBWE F	RD 1	CLIFTON SPRINGS	14432	NY
21-31-0221	YAUTZEY BROTHERS	RD 1	STANLEY	14561	NY
21-31-0239	CLARK, WILLIAM	28 JOHNSON ROAD RD	PALMYRA	14522	NY
21-31-0261	SCHUTT, HAROLD	RFO 4	CLIFTON SPRINGS	14432	NY
21-31-0286	WILEY, FRANK	RFO 1	VICTOR	14564	NY
21-31-0305	BENNETT FMS ATT D KIMBAL	RD 2	HOLCOMB	14469	NY
21-31-0384	MEAD FAMILY	RD 1	HOLCOMB	14469	NY
21-31-0389	OWEN, THOMAS	WESTLEY ROAD	WEST BLOOMFIELD	14585	NY
21-31-0392	TAYLOR, ELMER H.	RD 4	CANANDAIGUA	14424	NY
21-31-0394	HAYTON, EDWARD	RD 3	HONEOYE	14471	NY
21-31-0429	FACER, RUSSELL	FACER FARMS RD 1	PHILIPS	14532	NY
21-31-0431	THOMPSON, DONALD & WANDA	RD 3 HOPKINS RDA	CANANDAIGUA	14424	NY
21-31-0432	NEOROW, JAMES	RD 2	CLIFTON SPRINGS	14432	NY
21-31-0433	VANQUEKELBERG, L. AND SO	RD 1	NEWARK	14513	NY
21-31-0436	MORRISEY BROTHERS	RD 3	CANANDAIGUA	14424	NY
21-31-0446	REED, HARRISON	RD 1	HEMLOCK	14466	NY
21-31-0525	NORTH BROTHERS	RD 2	VICTOR	14564	NY
21-31-0543	SWARTELE, PHILIP	RD 1	CLIFTON SPRINGS	14432	NY
21-31-0601	PECK, ELMER	RD 1	NEWARK	14513	NY
21-31-0621	OURWICK-FARM	RD 2 ATT FRED DURKE	CLIFTON SPRINGS	14432	NY
21-31-0661	PRITCHARD BROTHERS	RD 4	CANANDAIGUA	14424	NY
21-31-0693	REED, ALBERT	RD 1	CLIFTON SPRINGS	14432	NY
21-31-0754	ROBSON, C. GAGE HD 1	RFD 1	GENEVA	14456	NY
21-31-0895	CASTNER, WELLINGTON	RD 1	STANLEY	14561	NY
21-31-0939	CROUCH, GLENN	RD 2	GENEVA	14456	NY
21-31-0964	DUTHOUSE, RICHARD	RD 3	CANANDAIGUA	14424	NY
21-31-0978	INGLIS, BURTON	RD 2	CLIFTON SPRINGS	14432	NY
21-32-0003	PARADISE VALLEY FARM	RD 1	GOSHEN	10924	NY
21-32-0014	HOWELL, WILLIAM S.	RD 1	NEW HAMPTON	10958	NY
21-32-0038	BARTLETT, ROBERT	RD 2	MONTGOMERY	12549	NY
21-32-0045	RAKOWIECKI, STANLEY	R F D 1 STATION RD	SALISBURY MILLS	12577	NY
21-32-0050	WILLIAMSON, CHESTER	RD 1	WESTTOWN	10998	NY
21-32-0066	ORANGE FARM	ORANGE CO OPW BX 5	GOSHEN	10924	NY
21-32-0092	DEMBERG, ERWIN & RICHARD	RD 1	WESTTOWN	10998	NY
21-32-0096	WATERLOO MILLS FARM	BDX 6 RD 1	WESTTOWN	10998	NY
21-32-0113	BRINK, JAMES L.	RD 1	WESTTOWN	10998	NY
21-32-0124	FOX, ROBERT C.		ROCK TAVERN	12575	NY
21-32-0142	HEEREMA, CORNELIUS	RD 1 BOX 42	WALDEN	12586	NY
21-32-0160	GREISING, RAYMOND	RD 1	PINE BUSH	12566	NY
21-32-0163	BAXTER, HAROLD F.	RD 2 MT AIRY ROAD	NEWBURGH	12550	NY
21-32-0168	GIBBS, ALFREDO		JOHNSON	10933	NY
21-32-0169	ROE, REYNOLDS	RD 1	WESTTOWN	10998	NY
21-32-0176	FORD, HENRY J.	RD 1 BOX 37F	WESTTOWN	10988	NY
21-32-0181	PENN OCTD FARMS	PENNINGS, JG BOX 5	WARWICK	10990	NY
21-32-0182	BROOKS, VICTOR	RD 2 BOX 212	WARWICK	10990	NY
21-32-0186	SKAWIENSKI, JOSEPH JR.	BOX 88	BULLVILLE	10915	NY
21-32-0202	LACROCE, VINCENT	RD 2	PORT JERVIS	12771	NY
21-32-0206	HOSKINS, LESTER & SONS	RD 1	MIDDLETOWN	10940	NY
21-32-0209	SCHUTT, A. LOUIS HD 1	SCHUTT ROAD	MIDDLETOWN	10940	NY
21-32-0218	KLINE, ROBERT J.	RD 1 BDX 625A	NEW HAMPTON	10958	NY
21-32-0220	HANSEN, PETER	BOX 158	JOHNSON	10933	NY
21-32-0226	STAPLETON E. E. & SON		SLATE HILL	10973	NY
21-32-0232	ROBINSON, ROBERT	P. O. BOX 242	GOSHEN	10924	NY
21-32-0235	LAIN, M. ARTHUR	RD 1	WESTTOWN	10998	NY
21-32-0240	INDIAN ACRES DAIRY FARM	RD 2 NEVERSIRK OR	PORT JERVIS	12771	NY
21-32-0311	BRACH, HARRY C.	RD 2 RIVER ROAD	MONTGOMERY	12549	NY
21-32-0352	WATKINS, J. S.	RD 1	CAMPBELL HALL	10916	NY
21-32-0461	COUSER, DOUGLAS & SONS	RD 2	MONTGOMERY	12549	NY
21-32-0512	STEEVES, E. R. JR.	SOUTH ST ROUTE 208	WASHINGTONVILLE	10992	NY
21-32-0538	OBRIEN, JOHN AND DEAN	RD 4	MIDDLETOWN	10940	NY
21-32-0569	C. AND R. FARMS INC.	ROUTE 52 BOX 550	WALDEN	12586	NY
21-32-0653	DETCH, ALLEN		BULLVILLE	10915	NY
21-32-0707	BRUYN, RAYMOND O.	RD 1 BOX 295A	PINE BUSH	12566	NY
21-32-0716	HANSEN, RICHARD		UNIONVILLE	10988	NY
21-32-0832	STICKLE, HARDLO	RD 1	WARWICK	10990	NY
21-32-0853	VANDERWEERT, C.	RD	CHESTER	10918	NY
21-32-0957	THORN, JOHN & DON		THOMPSON RIDGE	10985	NY
21-32-0994	PHILIPS, SAMUEL B. JR.	RD 2	WALDEN	12586	NY
21-32-0994	BROWN, LEON	RD 1	WESTTOWN	10998	NY

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-32-9097	JOHNSON, C. F. AND SON	BOX 277	CHESTER	10918	NY
21-32-9139	MENENDEZ, M. AND SONS	RD 2	WALDEN	12586	NY
21-32-9174	OGDEN, RALPH E.		MOUNTAINVILLE	10953	NY
21-32-9180	KOLK, KENNETH S.	R F D 1 BOX 146	GOSHEN	10924	NY
21-32-9193	MAPLE KNOLL FARM	R F D 1 BOX 140	GOSHEN	10924	NY
21-32-9195	LACROCE, JOHN	R O 4	MIDDLETOWN	10940	NY
21-32-9221	FARACRES FARM, INC.	R D 2	PORT JERVIS	12771	NY
21-32-9229	PHELPS, DEBBIE	R D 2	WALDEN	12586	NY
21-32-9303	BUTTERFIELD, GORDON E.		JOHNSON	10933	NY
21-32-9409	BOLLENBACH, WILL	93 WEST ST	WARWICK	10990	NY
21-32-9746	FORO, FRANK O.	R D 1	WESTTOWN	10998	NY
21-32-9851	SZOLD, H. J.		WASHINGTONVILLE	10992	NY
21-32-9866	SEARS, BENJAMIN O.	BOX 45	BLOOMING GROVE	10914	NY
21-33-0017	WEILS DAIRY FARMS	ROOSEVELT HWY	LYNDONVILLE	14098	NY
21-33-0048	HICKS, HERMAN	R D 2	ALBION	14411	NY
21-33-0098	REOSHAU, HECTOR	LAKE SHORE RD	KENT	14477	NY
21-33-0102	KNIGHTS, WILLIAM JR.	BOX 2	KNOWLESVILLE	14479	NY
21-33-0149	RUHLEN, MAURICE	R D 1	ELBA	14058	NY
21-33-0223	MOORE, MAYNARD	R O	KENT	14477	NY
21-33-0276	HILFIKER, ALVIN	R O 1	HOLLEY	14470	NY
21-33-0466	MILLER, JESSE	ROUTE 2	ALBION	14411	NY
21-33-0517	MAXON FARMS	HINDS ROAD	HOLLEY	14470	NY
21-33-0817	NICE BROTHERS FARM	R D 4	ALBION	14411	NY
21-33-0895	BEACH, CHARLES L.	RD 3	ALBION	14411	NY
21-33-9669	COOK AND KLOTZBACK	RD 3	MEDINA	14103	NY
21-34-0004	HILTON, OORWIN	RD 3	CATO	13033	NY
21-34-0007	OUNHAM, WALTER	ROUTE 1	MARTVILLE	13111	NY
21-34-0014	RUDE, KENNETH	RD 2	MEXICO	13114	NY
21-34-0016	ELKIN, HARRY C.	R D 1	LACONA	13083	NY
21-34-0044	WILKINSON, LAWRENCE	R O 3	MEXICO	13114	NY
21-34-0074	SUMMERVILLE, W. H. & SON	R F O 1	FULTON	13069	NY
21-34-0095	DON HAVEN FARMS	R 5	FULTON	13069	NY
21-34-0102	ROGERS, LORRY	ROUTE 2	FULTON	13069	NY
21-34-0107	JCHNSON, ROBERT & PAUL	R D 1	PENNELVILLE	13132	NY
21-34-0111	AMES, WALTER JR.	ROUTE 2	CENTRAL SQUARE	13036	NY
21-34-0122	OELONG, JOHN W.	R D	MEXICO	13114	NY
21-34-0123	DRAKE, PHIL FARM 2	R O 1	RICHLAND	13144	NY
21-34-0216	MINOT, MARSHALL	R D 3	PULASKI	13142	NY
21-34-0282	SMITH, LAWRENCE	R D 1	RICHLAND	13144	NY
21-34-0402	MEYERS, ROBERT F.	R 3	CENTRAL SQUARE	13036	NY
21-34-0455	TAYLOR FARMS	R 5	FULTON	13069	NY
21-34-0472	BLUMER, EUGENE	RD 1	PENNELVILLE	13132	NY
21-34-0475	ROWE, ROLLO AND CHARLES	BOX 31B R D 1	CENTRAL SQUARE	13036	NY
21-34-0555	OEMASSEY, SAMUEL	BOX	WILLIAMSTOWN	13493	NY
21-34-0603	SEELEY BROOK FARM	DRUCE BROS R D 2	FULTON	13069	NY
21-34-0665	OJA, ARTHUR AND DONALD	R D 1	PENNELVILLE	13132	NY
21-34-0749	TRIANGLE FARMS	R 2	HANNIBAL	13074	NY
21-34-0841	DOON - LEE FARM	RD 2	PULASKI	13142	NY
21-34-0884	KARBOSKI, FRANK		PARISH	13131	NY
21-34-0887	MONSON, BOB	NORTH ST	MEXICO	13114	NY
21-34-0892	SHELDON, L. W. AND SONS	R 1	FULTON	13069	NY
21-34-9105	BARCLAY, DOROTHY M.	DOUGLSTON MANOR F	PULASKI	13142	NY
21-35-0013	FRAZIER, WM.	R.O. 3	ONEONTA	13820	NY
21-35-0016	OUNNING, HENRY L. JR.	R O 1	COOPERSTOWN	13326	NY
21-35-0019	CEROSALETTI, CHARLES	RD 2	ONEONTA	13820	NY
21-35-0021	GRAY, GLENN		EAST SPRINGFIELD	13333	NY
21-35-0025	YOUNG, WILLIAM	RD 1	MORRIS	13808	NY
21-35-0026	HOYT BROTHERS	R D 1	OTEGO	13825	NY
21-35-0040	WILLSEY, ALAN		SPRINGFIELD CENTE	13468	NY
21-35-0043	DENT, JOSEPH & IRWIN	R O 2	ONEONTA	13820	NY
21-35-0050	HUNTINGTON, LS & SONS IN		WESTFORD	13488	NY
21-35-0067	KEENELAND FARMS		GILBERTSVILLE	13776	NY
21-35-0068	QUINTIN, EUGENE	R O 1	MORRIS	13808	NY
21-35-0072	CENTURY LAND	R O 3	WORCESTER	12197	NY
21-35-0079	IGEL, FRED & SON	R D 2	WEST WINFIELD	13491	NY
21-35-0089	MOREHOUSE, BEN & OAN HD1		GARRATTSVILLE	13342	NY
21-35-0091	BARLOW, MICHAEL	RFO 1	ONEONTA	13820	NY
21-35-0102	SMITH, VAN B. & SON	R O 1	OTEGO	13825	NY
21-35-0108	OYELANOS	R O 1	WEST WINFIELD	13491	NY
21-35-0126	LANE, RAYMOND	R O 1	CHERRY VALLEY	13320	NY
21-35-0141	BEILBY, SMITH FM 1	R D 2	OTEGO	13825	NY
21-35-0143	HIGGINS, R. AND SON	RD 1	BURLINGTON FLATS	13315	NY
21-35-0155	GRAHAM, CLAUDE J.	R D 2	CHERRY VALLEY	13320	NY
21-35-0161	HUNTINGTON, LS & SONS IN	R F O 3 FARM 3	COOPERSTOWN	13326	NY
21-35-0214	NEWTON, JAMES	BOX 27	EDMESTON	13335	NY
21-35-0218	FLINT, WILLIAM		EAST SPRINGFIELD	13333	NY
21-35-0239	VANVRANKEN, ABRAM	R O 1	OTEGO	13825	NY
21-35-0243	HINKLEY, HOWARD		COLLIERSVILLE	13747	NY
21-35-0246	CARNRIKE, RAYMOND	R O 2	EDMESTON	13335	NY
21-35-0248	GATES, JAMES	R O 2	WEST WINFIELD	13491	NY
21-35-0263	KERSMANC, J. AND T.	R D 2	WORCESTER	12197	NY
21-35-0277	INGALLS, ROONEY		HARTWICK SEMINARY	13349	NY
21-35-0301	WALKE, HARRY	R O 1	SCHENEVUS	12155	NY
21-35-0302	CLARK, HARRIS SR.	R F O 1	COOPERSTOWN	13326	NY
21-35-0307	SEEFELF FARM	R D 2	SCHENEVUS	12155	NY

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-35-0309	JOHNSON, R. N. & R. H.	R O 1	UNAOILLA	13849	NY
21-35-0311	HAYES, HAROLD	R O 1	CHERRY VALLEY	13320	NY
21-35-0332	INGALLS, RALPH	R O 2	UNAOILLA	13849	NY
21-35-0339	BARTON, ROBERT	R O 1	SCHENEVUS	12155	NY
21-35-0357	MILFORD MEADOWS FARMS		MILFORD	13807	NY
21-35-0369	MALONE, KATHERINE	R O 2	MORRIS	13808	NY
21-35-0381	MAYNE, HERBERT F.	STAR ROUTE	BURLINGTON FLATS	13315	NY
21-35-0407	CASLER, HOMER		WEST EXETER	13487	NY
21-35-0417	BRIAR CREEK FARM	RO 1	OTEGO	13825	NY
21-35-0450	COPE, LEWIS AND SON	STAR ROUTE	EAST SPRINGFIELD	13333	NY
21-35-0458	HUNTINGTON, L. S. & SONS	R F D 3 FARM 4	COOPERSTOWN	13326	NY
21-35-0464	DTSEGD HILLS FARM	R O 1 E. L. KELLOW	COOPERSTOWN	13326	NY
21-35-0466	JOHNSON, LEO L. JR.	R F D 1	WEST EDMESTON	13485	NY
21-35-0491	PALMER, CLAUDE JR.	R O 1	EDMESTON	13335	NY
21-35-0507	OAK HILL FARM	R O 1	SCHENEVUS	12155	NY
21-35-0521	KLEINBERGER, PAUL	R.O.1	MILFORD	13807	NY
21-35-0525	NILES, JOHN	BOX 48	WEST EDMESTON	13484	NY
21-35-0537	RICHARDS, TIMOTHY		EAST SPRINGFIELD	13333	NY
21-35-0612	HICKLING, DONALD D.	R O 2	EDMESTON	13335	NY
21-35-0668	GILLIS, DAVID	R O 1	BURLINGTON FLATS	13315	NY
21-35-0746	ROBERTSON, JAMES		SPRINGFIELD CENTE	13468	NY
21-35-0964	PARKER, LYSLE M.		EDMESTON	13335	NY
21-35-0929	FASSETT, K. AND M.		EAST SPRINGFIELD	13333	NY
21-35-0944	FASSETT, ERWIN	R F O 1	EAST SPRINGFIELD	13333	NY
21-35-0971	WILSON, CLAUDE	RO 2	COOPERSTOWN	13326	NY
21-35-9198	KUBIS, FRANCIS E.		COOPERSTOWN	13326	NY
21-35-9273	MILFER FARM	RM 3111 120 BROADW	NEW YORK 5	10005	NY
21-35-9427	WALRATH, R. Y.		EAST SPRINGFIELD	13333	NY
21-35-9882	HANSEN, L. O.		SOUTH VALLEY	13467	NY
21-37-0004	WAGNER, ROBERT	R O 5 BOX 108	TROY	12180	NY
21-37-0005	MOODY, DONALD	BOX 174 RO 3	TROY	12180	NY
21-37-0007	HERRINGTON, ROBERT R.	R O 1	SCHAGHTICOKE	12154	NY
21-37-0008	FRENCH, HILLIS & DALE	R O 2	MELROSE	12121	NY
21-37-0028	GAGE, JOHN	R O 1	VALLEY FALLS	12185	NY
21-37-0064	SLINGERLAND, HAROLD	R O 1	JOHNSONVILLE	12094	NY
21-37-0080	DUNCAN, ROBERT	BOX 333 R D 3	TROY	12180	NY
21-37-0095	CIPPERLY, FRANK	R O 1	HOOSICK FALLS	12090	NY
21-37-0096	OTTHEOLE FARM	RD2 HENRY C REQUAT	VALLEY FALLS	12185	NY
21-37-0118	MAROPA FARM	R O 2 R. WALLACE	VALLEY FALLS	12185	NY
21-37-0139	MCMAHON, JOHN F.	R O 2	PETERSBURG	12138	NY
21-37-0206	MOSELEY, ROGER N.	R O 1	BUSKIRK	12028	NY
21-37-0538	MARBOT, ALEXANDER & SONS		BUSKIRK	12028	NY
21-37-0752	CARY, G. LUCIUS	RO 2	SCHAGHTICKE	12154	NY
21-37-9033	HERRINGTON, SHERMAN	R O 2	HOOSICK FALLS	12090	NY
21-37-9084	HDAG, JOHN & TERRY	R F O 2	HOOSICK FALLS	12090	NY
21-37-9097	FIL VAL FARMS	R O 1	HOOSICK FALLS	12090	NY
21-37-9138	WOOD, RICHARD H.	R F O	SCHODACK LANDING	12156	NY
21-37-9161	WILEY, NEWTON & PAUL HD	RD 2	JOHNSONVILLE	12094	NY
21-37-9320	CALHOUN, J. E. AND SONS		HOOSICK FALLS	12090	NY
21-37-9558	OTTMAN, ROY E.	R O 4	TROY	12180	NY
21-37-9609	WILEY, NEWTON & PAUL HD	RO 2	JOHNSONVILLE	12094	NY
21-39-0012	DUNHAM, ALLEN	R O 2	HAMMOND	13646	NY
21-39-0026	TRACY, LLOYD		MADRID	13660	NY
21-39-0061	THEOBALD, KENNETH	R O 2	CANTON	13617	NY
21-39-0112	BURKE, J. CARL	STAR ROUTE	HERMON	13652	NY
21-39-0113	BURDICK, CLAUDE	ROUTE 1	NORWOOD	13668	NY
21-39-0118	BYRNS, RICHARD	ROUTE 5	GOUVERNEUR	13642	NY
21-39-0214	HENRY, DALE		MADRID	13660	NY
21-39-0229	BENEDICT, STEWART	ROUTE 1	MASSENA	13662	NY
21-39-0232	MILLARD, W. PHILIP	ROUTE 4	GOUVERNEUR	13642	NY
21-39-0235	MORRISON, JAMES	R O 1	DEKALB JUNCTION	13630	NY
21-39-0248	KINGSTON, L. & P. & SONS	R O 1	MADRID	13660	NY
21-39-0261	MCRAE, ARDEN	R 1	GOUVERNEUR	13642	NY
21-39-0278	TESSMER, MAX	CHUB LAKE RD	GOUVERNEUR	13642	NY
21-39-0279	CHASE, EDWARD	ROUTE 2 ELM HAVEN	MASSENA	13662	NY
21-39-0288	WHITMORE, MERRILL	RO 1	CANTON	13617	NY
21-39-0299	LOVE, BRADLEY	R 1	GOUVERNEUR	13642	NY
21-39-0329	MAHONEY, MAURICE	R O 1	WINTHROP	13697	NY
21-39-0438	TYLER, KEITH	RD1 BUTTERNUT RIDG	GOUVERNEUR	13642	NY
21-39-0527	NOSLE, ORRIN W.	RO 4	CANTON	13617	NY
21-39-0529	WESTON, KENNETH AND SON	R O 1	POTSDAM	13676	NY
21-39-0575	DRUMMOND, NORMAN	RFO 2	HEUVELTON	13654	NY
21-39-0678	RANDALL, A. W. AND SON		GOUVERNEUR	13642	NY
21-39-0922	SIPHER, ERTON & DAVID	ROUTE 1	GOUVERNEUR	13642	NY
21-39-0925	THOMPSON, ROBERT JR.	RO 1	OGOENSBURG	13669	NY
21-39-9226	HENRY, KENNETH	R O 1	OGOENSBURG	13669	NY
21-39-9406	BELL, JOHN HERO 2	ROUTE 5	GOUVERNEUR	13642	NY
21-39-9476	THEOBALD, GEORGE L.	R O 4	POTSDAM	13676	NY
21-39-9534	N.Y.S. AG & TECH COLLEGE	RD4 ATT LES RAWLIN	CANTON	13617	NY
21-39-9996	STACY, DON L. AND SON	MAPLE DRIVE FM RD1	CANTON	13617	NY
21-40-0014	DONNAN, JAMES R.	RFO 1	GALWAY	12074	NY
21-40-0023	PECK, FREDERICK J.	RO 1	SCHUYLERVILLE	12871	NY
21-40-0024	MOSHER, ERWIN D.	R O 5 EAST HIGH ST	BALLSTON SPA	12020	NY
21-40-0040	CURTISS, W. S. AND SON	R O 2	BALLSTON SPA	12020	NY
21-40-0047	ARMER, HILEY	R O 1	BALLSTON SPA	12020	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-40-0050	ARNOLD, RUSSELL	RD 3	AMSTERDAM	12010	NY
21-40-0055	SUGAR HILL FARM 2	RFD 1	REXFORD	12148	NY
21-40-0063	KING, EDGAR A.	RFD 1	SCHUYLERVILLE	12871	NY
21-40-0067	MORRISON, GEORGE	R F O 2	FORT EDWARD	12828	NY
21-40-0073	ORUMMLAND FARM	R O 1	SCHUYLERVILLE	12871	NY
21-40-0132	ROERIG, JOHN	R O 2 MALTA FARMS	BALLSTON LAKE	12019	NY
21-40-0585	ODNNAN, HUME		GALWAY	12074	NY
21-40-0733	LANG, MARTIN J. & SON	R O 2	BALLSTON SPA	12020	NY
21-40-0811	MILLS, J. P.	R O 1	GALWAY	12074	NY
21-40-9049	ARNOLD, ELWOOD	RFD 3	AMSTERDAM	12010	NY
21-40-9115	SUGAR HILL FARM 1	R F O 1	REXFORD	12148	NY
21-40-9581	PECK, G. HAROLD	BOX 90	SCHUYLERVILLE	12871	NY
21-40-9982	PECK, WILLIAM HERD 1	BOX 143	SCHUYLERVILLE	12871	NY
21-42-0004	BELLINGER, DUNCAN M.	R F O 1	HOWES CAVE	12092	NY
21-42-0011	RISSE, JOE & SON HD 1	STAR ROUTE	MIDDLEBURG	12122	NY
21-42-0015	TOWNSENO, WILLIAM S.	R O 2	COBLESKILL	12043	NY
21-42-0029	PRZYSECKI, THOMAS G. FM	R F O 2	SCHOHARIE	12157	NY
21-42-0033	CROSSBY, HOWARD	R O 1	SPRAKERS	12166	NY
21-42-0036	MATTICE, BURTON J.		NORTH BLENHEIM	12131	NY
21-42-0088	KEYSER, GEORGE H. FM 1		ESPERANCE	12066	NY
21-42-0111	BATES, JOHN	R O 2	COBLESKILL	12043	NY
21-42-0114	TILLAPYKE FARM		CARLISLE	12031	NY
21-42-0126	BOUCK, DALE C.		MIDDLEBURGH	12122	NY
21-42-0132	BECKER, ROGER FM 1		COBLESKILL	12043	NY
21-42-0137	SCHULTZ BROTHERS	R F O 2	SCHOHARIE	12157	NY
21-42-0147	ZEH, JAY M.	JAY WIN FARM	JEFFERSON	12093	NY
21-42-0155	PALMER, C. AND SON	R O 2	COBLESKILL	12043	NY
21-42-0160	KOSKA, PETER N.	R O	MIDDLEBURG	12122	NY
21-42-0162	NISSEN, ARNE	R O 1	COBLESKILL	12043	NY
21-42-0181	HAIT, HAROLD		JEFFERSON	12093	NY
21-42-0187	HOLMES, J. M.		LAWYERSVILLE	12113	NY
21-42-0214	KINGS HILL FARM HD 1	R O 2 BOX 159	SHARON SPRINGS	13459	NY
21-42-0227	BUTLER, LEON E.		RICHMONOVILLE	12149	NY
21-42-0254	BROWN, ROBERT S. SR.	BOX 90	SLOANSVILLE	12160	NY
21-42-0268	WARD, CHARLES S.		HOWES CAVE	12092	NY
21-42-0269	BUCK, CHARLES N.		JEFFERSON	12093	NY
21-42-0271	DEWITT, DAYTON	R O 2	GILBOA	12076	NY
21-42-0289	HALLOCK, CARLTON G.	R O 1	GILBOA	12076	NY
21-42-0292	MACE, STEWART G.	R O 1	GILBOA	12076	NY
21-42-0298	WYCKOFF BROTHERS FM 2	R O 1	GILBOA	12076	NY
21-42-0310	VAN ALLER, LARRY		MIDDLEBURGH	12122	NY
21-42-0322	MEKA, JOHN E.		SUMMIT	12175	NY
21-42-0334	CREEKENO FARMS	PETER ENDERS	CENTRAL BRIDGE	12035	NY
21-42-0335	BECKER, ROGER FM 2		COBLESKILL	12043	NY
21-42-0345	MERCHANT, ROBERT L.	R O 1	HOWES CAVE	12092	NY
21-42-0353	WITT, HENRY		MIDDLEBURG	12122	NY
21-42-0386	KEYSER, GEORGE H. FM 2		ESPERANCE	12066	NY
21-42-0394	BARBER, J. ROGER FM 2	EMBAR FARMS	MIDDLEBURGH	12122	NY
21-42-0398	WILSON, GEORGE B.	R O	STAMFORD	12167	NY
21-42-0404	SMIGEL, JOHN		RENSSELAERVILLE	12147	NY
21-42-0429	MACFAOEN, JAMES		SHARON SPRINGS	13459	NY
21-42-0471	CUMMINGS, ROBERT	BOX 32	SHARON SPRINGS	13459	NY
21-42-0493	GJEMDALE FARM	R O 1	COBLESKILL	12043	NY
21-42-0508	DANFORTH, GEORGE		JEFFERSON	12093	NY
21-42-0554	GINENTHAL, LAWRENCE		JEFFERSON	12093	NY
21-42-0711	BARBER, J. ROGER FM 1	EMBAR FARMS	MIDDLEBURGH	12122	NY
21-42-0720	STANTON, KENNETH	R O	SPRAKERS	12043	NY
21-42-0746	MCCANN, ROBERT W.	R.O. 1	RICHMONOVILLE	12149	NY
21-42-0877	HAMM, ORWIN A.		RICHMONOVILLE	12149	NY
21-42-0911	LANE, HARRY AND SON		SHARON SPRINGS	13459	NY
21-42-9027	N.Y.S. AGR.&TECH. INST.	ATT W. J. CLARK	COBLESKILL	12043	NY
21-42-9151	N.Y.S. AGR.&TECH. INST.	ATT W. J. CLARK	COBLESKILL	12043	NY
21-42-9221	LYNK, CHARLES AND WILLAR	R O 1	SHARON SPRINGS	13459	NY
21-42-9348	NOTTER, WILLIAM	R O 1	COBLESKILL	12043	NY
21-42-9410	PINE GROVE FARMS	RD 1	QUANESBURG	12056	NY
21-42-9492	NAHRWOLD, ARTHUR FM 1	R O 1	MIDDLEBURG	12122	NY
21-42-9751	SCHUYLER, P. AND SON	RD 1	COBLESKILL	12043	NY
21-42-9806	JOHNSON, BYRON	R O	LAWYERSVILLE	12113	NY
21-43-0003	DELL, JOSEPH C. JR.	R O 1	TRUMANSBURG	14886	NY
21-43-0006	YORSKI, ANTHONY	R O 1	BRADFORD	14815	NY
21-43-0048	RITZ & BOWER	SKYLINE DRIVE	MONTOUR FALLS	14865	NY
21-43-0077	BALE, FRANCIS	R O 1	CAYUTA	14824	NY
21-43-0079	WESTERVELT, CARL C.	R O 2	WATKINS GLEN	14891	NY
21-43-0088	HUEY, RICHARD	R O 1	ROCK STREAM	14878	NY
21-43-0716	RICHARDS BROTHERS	RD 1	ALPINE	14805	NY
21-43-0773	GANUNG, ROGER W.	R F O 2	MONTOUR FALLS	14865	NY
21-43-9287	BURR, CHARLES E. HD 1	RD 2	TRUMANSBURG	14886	NY
21-43-9483	MURPHY, DANIEL		HECTOR	14841	NY
21-44-0015	MCCOY, ALAN & DAWN	R O 2	INTERLAKEN	14847	NY
21-44-0020	BENNETT, LEWIS	R F O 1	SAVANNAH	13146	NY
21-44-0033	WENOKA FARMS	R O 2	ROMULUS	14541	NY
21-44-0036	DIAMOND, SEYMOUR	R O 2	OPIO	14521	NY
21-44-0053	LAKEHOLM FARMS	R O 2	SENECA FALLS	13148	NY
21-44-0065	RIEGEL, GERALD C.	R O 2 BOX 611	SENECA FALLS	13148	NY
21-44-0066	STAHL, BRUCE W.	RD 2 BOX 132	SENECA FALLS	13148	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-44-0067	MDLLENHAUER, DAVID C	R D 2	WATERLDD	13165	NY
21-44-0071	CANOCA SPRINGS FARM	RFD2 BDX 623	SENECA FALLS	13148	NY
21-44-0177	KIME, ROBERT & EDWARD	R F D 3 BDX 379	GENEVA	14456	NY
21-44-0178	MYER, LECNDTE		DVID	14521	NY
21-44-0182	VANCLEEF FARMS, INC.	R D 1	SENECA FALLS	13148	NY
21-44-0425	KUNEY, GLENN	R F D 3	WATERLDD	13165	NY
21-44-0540	DERDCK, OSCAR J.		INTERLAKEN	14847	NY
21-44-0640	DEAN, RAY AND SDN	R F D 2	SENECA FALLS	13148	NY
21-44-9048	SHUSTER, PETER C.	R D 1	SENECA FALLS	13148	NY
21-44-9143	BELL, LEWIS		INTERLAKEN	14847	NY
21-44-9933	SMITH, E. R.	RFD 2	SENECA FALLS	13148	NY
21-45-0002	ROUNDS AND LEWIS	RD 1	PAINTED PDST	14870	NY
21-45-0009	BLUE GILL FM. L. WEAVER	R D 2	BATH	14810	NY
21-45-0031	KUHL, ARTHUR	RD 2	LAWRENCEVILLE	16929	PA
21-45-0048	KNDWLES, DWEN	R D 1	TRDUPSBURG	14885	NY
21-45-0049	ATHERTON, WILLIAM AND SO	R D 1	GREENWOOD	14839	NY
21-45-0069	MEEHAN, FRANCIS	R D 1	REXVILLE	14877	NY
21-45-0120	PRUTSMAN, ARNDLD V.	R D 1	TRDUPSBURG	14885	NY
21-45-0141	SEELEY, WILLIAM	R D 2	CAMPBELL	14821	NY
21-45-0142	BREWER, MAYNARD	R D 1 BDX 17	WOODHULL	14898	NY
21-45-0155	KETCH, BURTON		BATH	14810	NY
21-45-0170	SCHENCK, LUMAN	R D 1	GREENWOOD	14839	NY
21-45-0171	PLAISTED, MERTON	R D 1	HAMMONDSPORT	14840	NY
21-45-0198	BDSSARD, CLARENCE A & SD	R F D 2	CANISTEO	14823	NY
21-45-0199	LANDCREST FARMS	R D 2	CANISTEO	14823	NY
21-45-0235	CLANCY, FRANCIS	R D 1	HDRNELL	14843	NY
21-45-0238	WARRINER, WAYNE AND SDNS	R D 1	GREENWOOD	14839	NY
21-45-0292	WHITNEY, HENRY	R D 2	CAMPBELL	14821	NY
21-45-0295	PRICE, RUSSELL AND SDN		JASPER	14855	NY
21-45-0392	VAN SKIVER, EDGAR	R D 1	JASPER	14855	NY
21-45-0409	BLISS, ROY	R D 1	TRDUPSBURG	14885	NY
21-45-0436	BENTON, WILLIAM	R D 1	TRDUPSBURG	14885	NY
21-45-0452	SCHWINGLE BROTHERS		ATLANTA	14808	NY
21-45-0458	LEACH, FORREST	R D 1	JASPER	14855	NY
21-45-0521	WHEATON, DUDLEY		COHOCTON	14826	NY
21-45-0599	DRAKE VALLEY FARMS	R F D 1	WOODHULL	14898	NY
21-45-0607	LYONS, THDMAS	R D 1	ADDISON	14801	NY
21-45-0742	FLANAGAN BROTHERS	R D 1	HORNELL	14843	NY
21-45-0772	BOSSARD, WILLIAM	R D 1	HORNELL	14843	NY
21-45-0777	LEWIS, FRED	R D 1	PRATTSBURG	14873	NY
21-45-0894	OSBORN, STANLEY & SNS FM	R D 1	ARKPORT	14807	NY
21-45-9194	SCRIBNER, ERNEST	BOX 836	GREENWOOD	14839	NY
21-45-9288	BUTTON, CHARLES A. & SON	BOX 29	JASPER	14855	NY
21-45-9363	WHITCOMB, R. K. & M. L.	R D 1	CORNING	14830	NY
21-45-9400	KETCH, BRUCE E.		BATH	14810	NY
21-45-9725	KANE, THDMAS	RD 2	ADDISON	14801	NY
21-45-9736	FOSTER, FRANCIS & CARL	R D 2	BATH	14810	NY
21-45-9888	HARKENRIDER, PAUL J.	R D 1	REXVILLE	14877	NY
21-45-9987	HOLLENBECK, LEONARD	R D 1	GREENWOOD	14839	NY
21-47-0015	ACKERLEY FARMS	BOX 173	GRAHAMSVILLE	12740	NY
21-47-0026	KELLER, CALVIN		CALICOON CENTER	12724	NY
21-47-0043	BCNNELL, ROSS	R D 1	GRAHAMSVILLE	12740	NY
21-47-0061	MANOUSE, TED		CALICOON	12723	NY
21-47-0062	GRUND, ROBERT		NARROWSBURG	12764	NY
21-47-0330	CARR DEWEY HERD 1	RD 1	FERNDAL	12734	NY
21-47-0648	DENMAN, FRED		LIVINGSTON MANOR	12758	NY
21-47-9055	YASGUR FARMS 1	BDX 141 R.D.	COCHECTON	12726	NY
21-47-9082	YASGUR FARMS 6	BDX 141 R.D.	COCHECTON	12726	NY
21-48-0049	HDGG, AMOS AND SON	R D 1	APALACHIN	13732	NY
21-48-0081	HOLLENBECK, G. C.	RD 1	CANDOR	13743	NY
21-48-0097	THOLEN, CARL	493 CATATONK HILL	CANDOR	13743	NY
21-48-0116	LAWTON, MERLE FM 1	R D 1	NEWARK VALLEY	13811	NY
21-48-0121	ZIMMER, DONALD AND SDN	RD 1	NEWARK VALLEY	13811	NY
21-48-0131	HYATT, JOHN	STAR ROUTE 1	OWEGO	13827	NY
21-48-0136	NEEOHAM, WILLIAM D.	R D 2 BOX 240	NEWARK VALLEY	13811	NY
21-48-0155	ROSENBERGER, WILLIAM H.	R D 2	OWEGO	13827	NY
21-48-0180	AYRES, EUGENE & ALFRED	R D 1	BARTON	13734	NY
21-48-0182	SIMKIN, ALLEN H.	RD 1	NICHOLS	13812	NY
21-48-0186	FOSTER, WILLARD	R D 2	OWEGO	13827	NY
21-48-0229	BREWER, CHARLES	RFD 2	CANDOR	13743	NY
21-48-0344	ROBINSON, J. RIKER	R. D. 1	OWEGO	13827	NY
21-48-0580	CAMPBELL, CHARLES B.	R D 1	NICHOLS	13812	NY
21-48-0583	LYON BROTHERS	RD 1	CANDOR	13743	NY
21-48-0584	FRISBIE FARMS	RD 2	SPENCER	14883	NY
21-48-9022	HANER, ALBRO	ATT HANER & SNS RD	NICHOLS	13812	NY
21-48-9060	STRONG, JEAN	STAR ROUTE 2	OWEGO	13827	NY
21-48-9074	PETZOLD FARMS	R D 2 ATT F.PETZO	NEWARK VALLEY	13811	NY
21-48-9441	MOORE FARMS	ATT ROBERT MOORE R	NICHOLS	13812	NY
21-49-0003	BRINK, MILLARD	706 ELMIRA ROAD	ITHACA	14850	NY
21-49-0005	STEWART, ORLEY	R D 3	CORTLAND	13045	NY
21-49-0014	MARSHALL, EDWARD H.	RD 6	ITHACA	14850	NY
21-49-0034	STEWART, SIBLEY A.	R F D 1	DRYDEN	13053	NY
21-49-0039	AASEN, RAYMOND		LUDLOWVILLE	14862	NY
21-49-0044	HUNTER FARM, THE	R F D 2	GROTON	13073	NY
21-49-0046	STUTTLE, LEWIS	R D 1 LEW LIN FARM	DRYDEN	13053	NY

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-49-0055	AUGUSTSSON, KARL	R D 3	TRUMANSBURG	14886	NY
21-49-0061	VANOEBOGART, L.		WILLSEYVILLE	13864	NY
21-49-0075	C. U. NUTRITION FARM	MORRISON HALL	ITHACA	14850	NY
21-49-0080	SLOAN, MALCOLM M.	ANCHOR CREST FM RO	ITHACA	14850	NY
21-49-0089	HATFIELD, CHARLES M.	R F O 2	FREEVILLE	13068	NY
21-49-0102	COOK, GOROON H.		LUDLOWVILLE	14862	NY
21-49-0147	FOUTS, JAMES	STEVENS ROAD R D 1	FREEVILLE	13068	NY
21-49-0148	ALORICH, LEON E.	R D 3	ITHACA	14850	NY
21-49-0154	OAVALL, RONALD N.	R F O 1	ORYOEN	13053	NY
21-49-0156	NEDROW BROTHERS	R O 1	LUOLOWVILLE	14862	NY
21-49-0158	BENSON, NORMAN	R O 2	GROTON	13073	NY
21-49-0171	QUAILE, ROBERT W. AND SO	R F O 2	GROTON	13073	NY
21-49-0181	RONEL FARM	R O 2	GROTON	13073	NY
21-49-0186	AMAN, MAX W.	R D 2	INTERLAKEN	14847	NY
21-49-0188	OEDRICK, PAUL HO 1	R D 1	GROTON	13073	NY
21-49-0288	HICKS, JOHN	R O 1	ITHACA	14850	NY
21-49-0298	SALTSMAN, FRED	ROUTE 2	CORTLAND	13045	NY
21-49-0333	CARRIER, ROBERT	RO 1	ORYOEN	13053	NY
21-49-0535	OAVIS, WILLIAM L.	403 AUBURN ROAD	LUOLOWVILLE	14862	NY
21-49-0572	BENSON, CLARENCE		LUOLOWVILLE	14862	NY
21-49-0589	DORN, FLOYD		BROOKTONOALE	14817	NY
21-49-0620	GUIOAI RCRES	ROUTE 3	TRUMANSBURG	14886	NY
21-49-0770	ROMEO, JOE AND SONS	R F D 1	ORYOEN	13053	NY
21-49-0973	MARQUIS, KERMIT	R F D 2	FREEVILLE	13068	NY
21-49-0984	SPACE, RONALD W.		FREEVILLE	13068	NY
21-49-9004	WRIGHT, LYNN		DRYDEN	13053	NY
21-49-9020	ALBRECHTSEN, RAYMONO	RO 3	ITHACA	14850	NY
21-49-9452	CORNELL UNIVERSITY	AN HUB DEPT	ITHACA	14850	NY
21-49-9488	CROWE, C. F.	80X 443	DRYDEN	13053	NY
21-49-9547	OEDRICK FARM 1	11 MOTT ROAD R D	ORYOEN	13053	NY
21-50-0016	COOINGTON, FRANK		STONE RIOGE	12484	NY
21-50-0053	GARRISON, ROBERT		WALLKILL	12589	NY
21-50-0060	ALBANY POST FARM	ALBANY PST RO 80X5	NEW PALTZ	12561	NY
21-50-0082	RIDER, KEN AND SONS	R F O	ACCORD	12404	NY
21-50-0146	KELDER, S. ROBERT		STONE RIOGE	12484	NY
21-50-0225	WALLKILL PRISON	80X 6	WALLKILL	12589	NY
21-50-0689	CATSKILL REFORMATORY	RT209 ATT M MISNER	KERHONKSON	12446	NY
21-50-0840	808RODA FARM, G. S. 80IC	80ICES LANE RT 19	KINGSTON	12401	NY
21-50-0843	GREENSTREAM STOCK FARM		WALLKILL	12589	NY
21-50-0995	VANAKEN, A. L. AND SONS	R O	STONE RIOGE	12484	NY
21-50-9038	BARDIN, LOUIS	RO 1	PINE BUSH	12566	NY
21-50-9145	KELDER, WAYNE F.	R F O	ACCORD	12404	NY
21-50-9530	DAVIS, PHILIP	R O	KERHONKSON	12446	NY
21-50-9650	MAIER, ARTHUR	R O 3	WALLKILL	12589	NY
21-52-0001	SEACORO, ROGER HERD 1	R O	GREENWICH	12834	NY
21-52-0002	TAMARACK FARMS-E. LIDDEL	RO 1	GREENWICH	12834	NY
21-52-0020	FOWLER, ERSKINE	RFO 1	FORT EDWARD	12828	NY
21-52-0023	MCGUIRE, OICK	RFO 1	CAMBRIDGE	12816	NY
21-52-0032	WILFARMS INC.	R O 2	SALEM	12865	NY
21-52-0034	FRUHAUF, EDWIN	RFD 2	ARGYLE	12809	NY
21-52-0053	GILLIS, ADDISON	RD 2	ARGYLE	12809	NY
21-52-0055	OURKEE, WILLARD	R O 2	FORT ANN	12875	NY
21-52-0056	WILLIAMS, IRENE	R O 1	FORT EDWARD	12828	NY
21-52-0063	LUNDY, GEORGE AND SON	RO 2	GRANVILLE	12832	NY
21-52-0071	MOY, CECIL	RD 1	SCHAGHTICOKE	12154	NY
21-52-0098	MCGEOCH, PAUL	R O 2	ARGYLE	12809	NY
21-52-0100	SILL, 808	R O 2	ARGYLE	12809	NY
21-52-0102	STORY BROTHERS	RO 2	ARGYLE	12809	NY
21-52-0106	GILVIEW FARMS	R D 3	GREENWICH	12834	NY
21-52-0113	WHITNEY, KENORICK & SON		FORT ANN	12827	NY
21-52-0116	NORTON, EDWARD	R O 2	FORT ANN	12827	NY
21-52-0124	GIBSON, G. HAROEN & SONS	R O 2	FORT ANN	12827	NY
21-52-0140	ROBBINS AND BROMLEY FM	80X 65	WEST PALLET	05775	VT
21-52-0155	LANE END FARM	R D 2	ARGYLE	12809	NY
21-52-0166	DARIUS, DENNIS	CAOEN DAIRY FARM R	GRANVILLE	12832	NY
21-52-0167	REYNOLDS, MERRITT & SNS	R O 2	ARGYLE	12809	NY
21-52-0170	STEELE, JOHN	RD	SHUSHAN	12873	NY
21-52-0184	PROUTY, PAUL O.	8ROOKDELL FARM	FORT ANN	12827	NY
21-52-0185	STEWART, CLIFFORD	RO 3	GREENWICH	12834	NY
21-52-0194	FERGUSON, BRUCE	R O 1	SALEM	12865	NY
21-52-0202	CAMPBELL, REA O.	RO 1	SALEM	12865	NY
21-52-0216	THYGESSEN, ALF FARM 1		COSSAYUNA	12823	NY
21-52-0234	GOODMAN, N. CHESTER	R D 1	FORT ANN	12827	NY
21-52-0235	MC NEIL, LAURENCE	R O 2	ARGYLE	12809	NY
21-52-0239	FOX FIELD STOCK FM INC	R O 1	GRANVILLE	12832	NY
21-52-0241	SEACORO, ROGER HERD 2	R D	GREENWICH	12834	NY
21-52-0254	MACS CLAN	8UNKERHILL ROAD	SALEM	12865	NY
21-52-0268	MACCLAN FARMS INC	ATT H. MCEACHRON	SALEM	12865	NY
21-52-0269	HARSHA, RICHARD	R D	FORT ANN	12827	NY
21-52-0287	WHITTEMORE, MERRILL	R D 2	ARGYLE	12809	NY
21-52-0310	WILBURHOLM FARM-2	R.D. 1	GREENWICH	12834	NY
21-52-0331	MCEACHRON, LEON	R D 1	SALEM	12865	NY
21-52-0338	SKELLIE, RICHARD	80X 40	EAST GREENWICH	12826	NY
21-52-0353	WILLIAMS, W. WALDO	SUMMIT LAKE ROAD	ARGYLE	12809	NY
21-52-0360	SHELDON BROTHERS		SALEM	12865	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET CR ROUTE	TOWN	ZIP-CODE	STATE
21-52-D376	THYGESEN, ALF FARM 2		COSSAYUNA	12823	NY
21-52-D379	WILBURHOLM FARM #1	RD 1	GREENWICH	12834	NY
21-52-D385	ZIEHM, GEORGE & SON		BUSKIRK	12028	NY
21-52-D431	LANE, GEORGE & SONS	R F D	WHITEHALL	12897	NY
21-52-0577	ALLEN, NORMAN		SCHAGHTICOKE	12154	NY
21-52-D581	PFEIFFER, WINIFRED		GREENWICH	12834	NY
21-52-0628	HITCHCOCK, NORMAN FM 1	KINGSBURG ROAD	HUDSON FALLS	12839	NY
21-52-D637	MAPLE SLOPE FARM	R D 2	ARGYLE	12809	NY
21-52-0650	NICHOLS, DONALD		FORT EDWARD	12828	NY
21-52-D651	CLARK, JOHN	R D	ARGYLE	12809	NY
21-52-D690	REAFIELD FARMS	R D 1	CAMBRIDGE	12816	NY
21-52-0802	SKIFF, WILLIAM & EDWARD	R D 3	GREENWICH	12834	NY
21-52-0880	HANKS, DONALD	STAR ROUTE	SALEM	12865	NY
21-52-9D65	SKELLIE, WARREN J.	STAR ROUTE	EAST GREENWICH	12826	NY
21-52-9C78	ASHTON, ROGER L.	R D 1	CAMBRIDGE	12816	NY
21-52-9D91	MEARS, WILLIAM H.	R D 1	FORT EDWARD	12828	NY
21-52-9139	RYMPH, ERNEST A AND SONS	R D 1	GREENWICH	12834	NY
21-52-9154	BAIN, DAVID K. AND SONS	R D	ARGYLE	12809	NY
21-52-9649	JOHNSON, RAYMOND E.		SCHAGHTICOKE	12154	NY
21-53-D017	TAYLOR, LEON	RD 1	NEWARK	14513	NY
21-53-0029	LE ROY BROTHERS		PALMYRA	14522	NY
21-53-DD31	SCHOEN, ROBERT	R D 3	PHELPS	14532	NY
21-53-DD45	FEIOCK, KENNETH	R D 1	LYONS	14489	NY
21-53-DD63	SCHRADER AND JONES	R D 1	MACEDON	14502	NY
21-53-DD67	EATON, KENNETH J.	87D KENYON ROAD	WILLIAMSON	14589	NY
21-53-0D75	BOTCHER, BILL	R D 1	NEWARK	14513	NY
21-53-D100	PLACE, ROBERT R.	R D 2	ONTARIO	14519	NY
21-53-D146	YOUNGMAN, ARTHUR	RFD	WOLCOTT	14590	NY
21-53-D160	GREEN DAIRY FARMS INC.		WOLCOTT	14590	NY
21-53-D166	BELTAVERN FARM 1	R D 2 BOX 1D9	WATERLOO	13165	NY
21-53-0168	RIDGESTEAD FARM	ATT MERRITT MEANS	MARION	14505	NY
21-53-0180	YOUNGMAN, DOUGLAS	R F D MOON VALE FA	SAVANNAH	13146	NY
21-53-D198	KOEBERLE, E. W. AND SONS	26 GARNSEY ROAD	PALMYRA	14522	NY
21-53-D204	VOORHEES, DONALD	R D 2 SKINNER ROAD	MARION	14505	NY
21-53-02D7	LAKE, SHERMAN FM 1	RD 1	LYONS	14489	NY
21-53-0215	ROTHFUSS, ORA	RD	MACEDON	14502	NY
21-53-0240	DURHAM BROTHERS	MINER ROAD	NORTH ROSE	14516	NY
21-53-D260	BASSAGE, GEORGE	WALWORTH ONTARIO R	WALWORTH	14568	NY
21-53-D263	LAKE, SHERMAN FM 2	RD 1	LYONS	14489	NY
21-53-D274	BUISCH FARMS INC.	R D 1	LYONS	14489	NY
21-53-D542	DARRON, LEIGH AND SON	R D 1	WALWORTH	14568	NY
21-53-0627	PHILLIPS, JOHN		RED CREEK	13143	NY
21-53-0780	ALBERDING, DERWIN		RED CREEK	13143	NY
21-53-0795	SMITH, ERNEST & CAROLYN	R D 3	CLYDE	14433	NY
21-53-D860	EATON, EARL A	R D 1	LYONS	14489	NY
21-53-D9D0	FOX, CHARLES	RD 2	CLYDE	14433	NY
21-55-0004	NEVINGER, RUSSELL	R F D	WARSAW	14569	NY
21-55-0009	VOORHEES, FLOYD	R D 1	SILVER SPRINGS	14550	NY
21-55-DD11	AGEN, WILLIAM	R D 2	ARCADE	14009	NY
21-55-0016	MEEDER, WILLIAM	R D 3	WARSAW	14569	NY
21-55-D020	SPRENGER, EDWARD	R F D	WARSAW	14569	NY
21-55-0029	STEVENS, F. C. AND SON	R D 3	ATTICA	14011	NY
21-55-0051	CONABLE, JOHN	BOX 31	WARSAW	14569	NY
21-55-D122	TITUS BROTHERS	R D 1	WYOMING	14591	NY
21-55-0128	SILVER MEADOWS FARM	ATT RONALD KLEIN R	SILVER SPRINGS	14550	NY
21-55-D242	LEITH, GROVE	R D 1	WYOMING	14591	NY
21-55-D247	MOTE, WILBUR	R D	GAINSVILLE	14066	NY
21-55-D322	BERKEMEIER, H. C. & SONS	1D825 EAST ROAD	PAVILION	14525	NY
21-55-D352	WINTERMEN FARMS	R D 3	PERRY	14530	NY
21-55-D384	PANORAMA FARM INC.	R D 3	PERRY	14530	NY
21-55-D439	KUNZE, RUDOLF	R D 1	WYOMING	14591	NY
21-55-D456	MERWIN, JOSEPH C.	RD 2	FILLMORE	14735	NY
21-55-0473	DEGROFF, HERBERT	R F D	PERRY	14530	NY
21-55-0477	HAMILTON, BRUCE	CREEK ROAD	BLISS	14024	NY
21-55-D490	IKELER, DANIEL	R F D	BLISS	14024	NY
21-55-0499	RANDALL, NORMAN	R D	SILVER SPRINGS	14550	NY
21-55-0503	ANDERSON, DONALD	CREEKSIDE DAKAN FA	BLISS	14024	NY
21-55-D506	GLOSSER, KYLE	R F D 1	WARSAW	14569	NY
21-55-D525	PANKOW, HARRY	80X 13 GLEN IRIS R	CASTILE	14427	NY
21-55-0526	DUPPENGISSER, A. HD 1	R F D	PERRY	14530	NY
21-55-D532	NEVINGER, STUART	R F D	WARSAW	14569	NY
21-55-D551	WELLS, ALVIN	R D 1	CASTILE	14427	NY
21-55-0587	EMERLING, JEROME		PERRY	14530	NY
21-55-D721	NEWELL FARM 5	PROSPECT ST. RT 9	ATTICA	14011	NY
21-55-D725	FLYNN, WILLIAM		BLISS	14024	NY
21-55-D874	ZIEGLER, NELSON	R D	STRYKERSVILLE	14145	NY
21-55-9014	COLLINS, DONALD	COLLINS CREST FARM	PERRY	14530	NY
21-55-9118	JOHNSON, HELEN & WALTER	R F D 1	SILVER SPRINGS	14550	NY
21-55-9145	FUGLE, GEORGE	R D 2	ATTICA	14011	NY
21-55-9275	WETHERWAX, RONALD	R D 1	WYOMING	14591	NY
21-55-934D	WINCH, RICHARD	R D 1	ARCADE	14009	NY
21-55-9359	CHAMBERLAIN, PAUL	R D 1	WYOMING	14591	NY
21-55-9454	CHAMBERLAIN, RAY & DAVID	RD1 HI LAND FARM	WYOMING	14591	NY
21-55-9767	FARYNA, HENRY		PERRY	14530	NY
21-56-DD43	BOND, THERON	R 1	PENN YAN	14527	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-56-0050	PEELLE FARMS, INC.	R 1	ROCK STREAM	14878	NY
21-56-0056	BRIGGS, HAROLD & SON	R D 2	PENN YAN	14527	NY
21-56-0060	FEATHER CREST FARMS INC.	R D 2	PENN YAN	14527	NY
21-56-0071	DANN, DELOS JR.	R D 3	PENN YAN	14527	NY
21-56-0105	TRAVIS, HOWARD AND SON	R D 1	PENN YAN	14527	NY
21-56-0244	VDK, CARLTON E	R F D 4	PENN YAN	14527	NY
21-56-0249	MARTENS, KLAAS	RD 1	PENN YAN	14527	NY
21-56-0292	DANN, DELOS	R O 1	MIDDLESEX	14507	NY
21-56-0333	JENSEN, MAURICE F.	R D 1	PENN YAN	14527	NY
21-56-0352	CHRISTENSEN, CHARLES E.	R D 3	PENN YAN	14527	NY
21-56-0425	WOOD, VICTOR	R D 1	PENN YAN	14527	NY
21-56-0571	HOLLOWELL, JOHN & DAVID	R D 2	PENN YAN	14527	NY
21-56-0724	FLYNN FARMS	R D 1	PENN YAN	14527	NY
21-56-0879	BOOROM, EDWARD	68 MAIN STREET	OUNDEE	14837	NY
21-56-9129	BUTTON, LEDN & SON FM 1	R D 1	RUSHVILLE	14544	NY
21-58-9021	STATE UNIV AG & TECH COL	MELVILLE ROAD	FARMINGDALE	11735	NY
21-58-9205	BALDWIN, SAYRE	HAYGROUND ROAD	BRIDGEHAMPTON	11932	NY
22-10-0005	HENISEE, A.G. & SONS	VILLAGE VIEW FARM	MEDFORD	08055	NJ
22-10-0034	JONES, HERBERT & IRVING	FOSTRTN RD 8X53 R	MEDFORD	08055	NJ
22-10-0039	DURHAM, RAYMOND	E E EST SANDTOWN R	MEDFORD	08055	NJ
22-10-0051	KIESLING, LOUIS JR.	YORK ROAD	BORDENTOWN	08505	NJ
22-10-0055	AARONSON, GEORGE & SONS	LOCUST HILL FARM	COLUMBUS	08022	NJ
22-10-0057	JONES, LESTER C & SONS IN	FOSTEROWN ROAD	MEDFORD	08055	NJ
22-10-0070	ALLOWAY, JOHN		COLUMBUS	08022	NJ
22-10-0080	DURR, HERMAN JR.	SYKESVILLE ROAD	WRIGHTSTOWN	08562	NJ
22-10-0109	BISHOP, JOHN VI FM 1	GEORGETOWN ROAD	COLUMBUS	08022	NJ
22-10-0117	CONOVERS GUERNSEY FM INC		HIGHTSTOWN	08520	NJ
22-10-0139	SHONTZ, C. WAYNE	HARTFORD ROAD	MEDFORD	08055	NJ
22-10-0147	DON DOR DEE FARM	ATT RONALD SHINN	COLUMBUS	08022	NJ
22-10-0150	ARMSTRONG, BYRON & SONS		COLUMBUS	08022	NJ
22-10-0155	WINZINGER, J & NIXON, P	OLD YDRK RD	BORDENTOWN	08505	NJ
22-10-0157	HALL, GERALD		VINCENNTOWN	08088	NJ
22-10-0165	WAINWRIGHT, FRED JR.	CLOVER VALLEY FARM	BORDENTOWN	08505	NJ
22-10-0174	DAVID, NICHOLAS	JACKSONVILLE HEDDING	BORDENTOWN	08505	NJ
22-10-0185	GRAYATT, CARLTON	R D 1	ALLENTOWN	08501	NJ
22-10-0187	SEARCH, JAMES HIGHWAY FAR	ROUTE 27	CREAM RIDGE	08514	NJ
22-10-9050	BISHOP, JOHN VI FM 2	GEORGETOWN ROAD	COLUMBUS	08022	NJ
22-10-9052	WEDELL, VERNON		COLUMBUS	08022	NJ
22-10-9062	PETTIT, WILLIAM		JULIUSTOWN	08042	NJ
22-10-9120	VANMATER, DANIEL	CRECENT FARMS	COLUMBUS	08022	NJ
22-10-9127	RUDDEROW, MAURICE & SONS	ELBOW LANE	MORESTOWN	08057	NJ
22-10-9130	VONTHADEN, WILLIAM	OLD YDRK ROAD	BORDENTOWN	08505	NJ
22-10-9213	STATE REFORMATORY	ATT FRANK STAUMP	BORDENTOWN	08505	NJ
22-17-0004	FULPER, ROBERT	R O	LAMBERTVILLE	08530	NJ
22-17-0010	LAMBERT, JAMES	R D 1	LAMBERTVILLE	08530	NJ
22-17-0021	KUEHN, HENRY JR.	R O 5	FLEMINGTON	08822	NJ
22-17-0029	EVERITT, DONALD C.	R D 2 80X 347	NESHANIC STA	08853	NJ
22-17-0046	OANBERRY, ARTHUR L.	R D 1	RINGOES	08551	NJ
22-17-0049	ZAJAC, ALBERT	R D 3	FLEMINGTON	08822	NJ
22-17-0066	BEATTY, SAMUEL AND SON	R D 80X 223	ASBURY	08802	NJ
22-17-0070	BURGER, JOSEPH M.	R O	FRENCHTOWN	08825	NJ
22-17-0116	BOONIE, FRANK & SONS	R D	STOCKTON	08559	NJ
22-17-0118	BROWN, JOHN		STOCKTON	08559	NJ
22-17-0154	SLIKER, WAYNE E.	R O 5	FLEMINGTON	08822	NJ
22-17-0160	PANOY, JOSEPH	R F O 1 80X 193	FRENCHTOWN	08825	NJ
22-17-0163	FREISS, W. M.	R O 1	GLEN GARDNER	08826	NJ
22-17-0181	KANACH BROS.	R D 1 80X 319	FLEMINGTON	08822	NJ
22-17-0182	JABLONSKI, EO	R D 1	ANNANDALE	08801	NJ
22-17-0200	SCHWAB, FLOYD	RINGOES REAVILLE R	RINGOES	08551	NJ
22-17-0205	EMMONS, WILLIAM M. JR.	R D 1	STOCKTON	08559	NJ
22-17-0217	ROLLING KNOLLS FARM	R D 1 BDX 32	CALIFON	07830	NJ
22-17-0223	TILSTRA, P. & SON	R D	MILFORD	08848	NJ
22-17-0224	STOUT, LEROY	OLD YORK ROAD	LAMBERTVILLE	08530	NJ
22-17-0227	PAUCH, JAMES	R D	FRENCHTOWN	08825	NJ
22-17-0232	HOFFMAN, RUSSELL O. & SO	R D 1 80X 20	CALIFON	07830	NJ
22-17-0236	GULICK, RICHARD HD 2	R D	RINGOES	08551	NJ
22-17-9006	GULICK, RICHARD HD2	R D	RINGOES	08551	NJ
22-17-9079	FLEMING, ISAAC		CALIFON	07830	NJ
22-17-9082	JOHNSON, J S-ATT L SNYOE	P O 80X 279	OLDWICK	08858	NJ
22-17-9109	VANDOREN, ABRAM	R O 1	FLEMINGTON	08822	NJ
22-17-9149	HUNTEROON HILLS HOLSTEIN	R O ATT J. PAULMIE	ROSEMONT	08556	NJ
22-17-9197	HOUGH, GEORGE W.	R O 2 80X 348	WHITE HOUSE STATI	08889	NJ
22-17-9201	STOUT, MARGIN JR.	RD	PITTSWON	08867	NJ
22-22-0013	ZOANCEWIC, HENRY	R O 3	FREEHOLD	07728	NJ
22-22-0015	RUE, F. G. AND SONS	R O	IMLAYSTOWN	08526	NJ
22-22-0019	FREIBERGER, RUPERT H.	R O 1	ALLENTOWN	08501	NJ
22-22-9006	NEWBOLO, OT MORRISON F	R O 1	COLTS NECK	07722	NJ
22-22-9037	BELLE TERRE FARMS, INC 2	P. O. 80X 609	FREEHOLD	07728	NJ
22-22-9048	MARLU FARM	80X 215	LINCROFT	07738	NJ
22-22-9049	BELLE TERRE FARMS, INC 1	P. O. 80X 609	FREEHOLD	07728	NJ
22-23-0004	WOLFE BROTHERS	R D	HACKETTSTOWN	07840	NJ
22-23-0052	RITTER BROTHERS	LARISON ROAD	CHESTER	07930	NJ
22-23-0056	SCOTT FARM	WEST MILL ROAD	LONG VALLEY	07853	NJ
22-23-0071	HOPPAUGH, RAYMOND	R O	CALIFON	07830	NJ
22-23-9061	LEES HILL FARM	ATT VERNON HULL	NEW VERNON	07976	NJ

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
22-25-0005	PETTIT, F. C. AND SON	AUBURN ROAD	WOODSTOWN	08098	NJ
22-25-0008	MILLER, CARLTON	STEWART ROAD R F D	WOODSTOWN	08098	NJ
22-25-0016	MYERS, HARRISON	R D 1	WOODSTOWN	08098	NJ
22-25-0019	WILLIAMS, C. SWING		ELMER	08318	NJ
22-25-0022	WALOAC FARM	R F O 1	SALEM	08079	NJ
22-25-0079	BILL, GEORGE	MAINE STREET	MONROEVILLE	08343	NJ
22-25-0084	MCALLISTER, LESTER	R O 1	BRIDGETON	08302	NJ
22-25-0086	FLITCRAFTS CREAM VLLY OR	195 EAST AVENUE	WOODSTOWN	08098	NJ
22-25-0096	HAYNES, BEN JR.	R O 3	SALEM	08079	NJ
22-25-0120	GRIFFIN BROTHERS	EWAN ROAD	MULLICA HILL	08062	NJ
22-25-0126	MYERLYN FARM	R O 3	ELMER	08318	NJ
22-25-0130	HORNER, WILLARD B. & SON		HARRISONVILLE	08039	NJ
22-25-0132	STRING-FIELD FARM	CLARENCE&B08STRING	SWEDESBO	08085	NJ
22-25-0134	BENNETT, CLARENCE		SWEDESBO	08085	NJ
22-25-0135	POOL, E. OWEN	UNION ROAD	MICKLETON	08056	NJ
22-25-9041	A. I. M. S.	MENANTICA OFFICE	VINELAND	08360	NJ
22-25-9060	OAVIS, F. ROLLO	R D 1	BRIDGETON	08302	NJ
22-25-9098	HUBSCHMIOT, JOHN	R O 1	BRIDGETON	08302	NJ
22-25-9116	ELLER, JAMES	FOX'S MILL ROAD R	ELMER	08318	NJ
22-25-9131	HACKETT, RAYMONO W.		HARRISONVILLE	08039	NJ
22-25-9133	STRING, ALVIN JR.		HARRISONVILLE	08039	NJ
22-26-0003	CROSS LANE FARM	ATT J OEHART R O 1	BELLE MEAD	08502	NJ
22-26-0009	WINDWARD FARM, INC	BOX 10	SOUTH BRANCH	08881	NJ
22-26-0033	FOUR OAKS FARM	R D 3	SOMERVILLE	08876	NJ
22-26-0071	JOHNSON, WILLIAM A. & SO		BELLE MEAD	08502	NJ
22-26-0073	SUTTON, E LESTER & SONS	ROUTE 28	NORTH BRANCH	08855	NJ
22-26-0088	DUKE FARMS	ATT DAIRY MGR R O	SOMERVILLE	08876	NJ
22-26-0089	PUSKAS, ALEX J.	R D 3 BOX 327	SOMERSET	08873	NJ
22-26-0118	ROSE GABLES FARMS	ROUTE 518	SKILLMAN	08558	NJ
22-26-0144	HOLSTEN, ROBERT	RIODE ROAD R O 2	MONMOUTH JUNCTION	08852	NJ
22-26-9007	EVERETT, JOHN E.	R D 1	SOMERVILLE	08876	NJ
22-26-9029	VANNUYS, L. MARTIN	R O 1	BELLE MEAD	08502	NJ
22-26-9030	PISKOROWSKI, J. V.	R D 3	PRINCETON	08540	NJ
22-26-9067	DANIELLE FARM	BOX 74	SOUTH BRANCH	08881	NJ
22-26-9068	NORZOLE	BOX 279	NESHANIC STATION	08853	NJ
22-26-9074	WINANT, MRS. JANINE L.	GREAT RD.	PRINCETON	08540	NJ
22-26-9104	N. J. AGRICULTURE COLLEG	DAIRY BUILDING	NEW BRUNSWICK	08900	NJ
22-26-9114	WOODACRES	BOX 669	PRINCETON	08540	NJ
22-26-9131	MOSS, WM. WHITE CLOUD FAR	COLD SOIL ROAD	PRINCETON	08540	NJ
22-26-9150	NEW JERSEY EXP. STA. HOL	DEPT. ANIMAL SCIEN	NEW BRUNSWICK	08903	NJ
22-29-0001	HEIDENHAY FARM	BOX 687	NEWTON	07860	NJ
22-29-0008	YETTER, PHILIP	R O 3	NEWTON	07860	NJ
22-29-0021	SPACE FARMS	R O 3	SUSSEX	07461	NJ
22-29-0054	HILL, GEORGE	R O 1	BRANCHVILLE	07862	NJ
22-29-0098	LANGERAAP, CHARLES	R O 1	LAFAYETTE	07848	NJ
22-29-0114	WRIGHT, WALTER R.	R O 3 BOX 285	SUSSEX	07461	NJ
22-29-0115	KLIM, ALBERT A.	R D 1	SUSSEX	07461	NJ
22-29-0125	AUKEMA, OWEN FM 1	R D 2	SUSSEX	07461	NJ
22-29-0135	LOOESTAR FARMS, BEHRMAN	ROUTE 2 BOX 115	NEWTON	07860	NJ
22-29-0154	SCOTT, EDWARD JR.	BOX 22	LAFAYETTE	07848	NJ
22-29-0167	BALDWIN, WARREN	R D 2	SUSSEX	07461	NJ
22-29-0169	PRICE, RONALD E.	R D 1	LAFAYETTE	07848	NJ
22-29-0177	DYKEMA, JAN H & SON	BOX 253 R D 2	NEWTON	07860	NJ
22-29-0188	FETZER, ARTHUR	R O	AUGUSTA	07822	NJ
22-29-0200	HOUGH, ROBERT	R D 2	SUSSEX	07461	NJ
22-29-0233	SAINT ANTHONYS GUILD	DERONDE UMBRIAN FM	LAFAYETTE	07848	NJ
22-29-0243	VANDERGROOT, JOHN	R D 3	SUSSEX	07461	NJ
22-29-0254	GORDON, WILLIAM F.	R D 3 BOX 632	NEWTON	07860	NJ
22-29-0263	PULLIS, RUSSELL J.	R O 1	BRANCHVILLE	07826	NJ
22-29-0269	FRANCISCO, H F & SONS FM		ANDOVER	07821	NJ
22-29-0311	AUKEMA, OWEN FM 3	R D 2	SUSSEX	07461	NJ
22-29-0314	HENDERSON, LEE	BOX 33	AUGUSTA	07822	NJ
22-29-0324	BOOTSMA, JACOB	BOX 621-D	BRANCHVILLE	07826	NJ
22-29-0325	HALMA, RAYMONO JR.	R D 1	SUSSEX	07461	NJ
22-29-0329	BYMA, HENRY	R D 3 BOX 485	SUSSEX	07461	NJ
22-29-0336	METCALF FARMS, L. METCAL	R D 1 BOX 361	BRANCHVILLE	07826	NJ
22-29-0339	COYLE, JAMES G.	BOX 73	WALLPACK CENTER	07881	NJ
22-29-0347	KYMER, HERBERT H.	R D 1 BOX 460	SUSSEX	07461	NJ
22-29-9044	ROBERTS, STANLEY & SONS	R D 1	PORT JERVIS	12771	NY
22-29-9147	MEYER, GEORGE F.	R D 1 BOX 192	LAFAYETTE	07848	NJ
22-29-9182	RICKER, HERM AND SONS	R O 1	SUSSEX	07461	NJ
22-29-9210	NEW JERSEY EXP. STA. HOL	R D 3	SUSSEX	07461	NJ
22-29-9251	RAAB, WILLIAM	R D 3	SUSSEX	07461	NJ
22-29-9253	MOONEY, NETTIE W.		ANDOVER	07821	NJ
22-29-9303	TANIS, JACOB	IDEAL GUERNSEY FAR	AUGUSTA	07822	NJ
22-36-0003	SCOTT, JOHN & SONS	R D 1	BLOOMSBURY	08804	NJ
22-36-0014	JONES, WALTER	R D 1	COLUMBIA	07832	NJ
22-36-0029	SLATE FALLS DAIRY FARM	R D 2	BLAIRSTOWN	07825	NJ
22-36-0036	DANKS AND SHEETS	BOX 46	ALLAMUCHY	07820	NJ
22-36-0049	QUEITZSCH, LEONARD C.	R D 3 BOX 97	WASHINGTON	07882	NJ
22-36-0061	CRONCE, CHARLES N. & SON	R D 1	ASBURY	08802	NJ
22-36-0068	FOSTER, A. & HUGHES S.	R D 1	BLAIRSTOWN	07825	NJ
22-36-0074	FREY, ROBERT I.	R O 1	PHILLIPSBURG	08865	NJ
22-36-0091	EDSON, JAMES O.	R D 1	OXFORD	07863	NJ
22-36-0110	MAKAREVICH BROTHERS	R O 1	COLUMBIA	07832	NJ

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET CR ROUTE	TOWN	ZIP-CODE	STATE
22-36-0148	THOMPSON, ROBERT P. & SO	R O 1	BLAIRSTOWN	07825	NJ
22-36-0163	NOORDENBOS, ERNEST	R O 2	NEWTON	07860	NJ
22-36-0183	CHILORESS BROTHERS	R O 2 BOX 66	BLAIRSTOWN	07825	NJ
22-36-0188	FREEBORN, RAYMONO	BOX 119	ALLAMUCHY	07820	NJ
22-36-0193	TRANQUILLITY FARMS		ALLAMUCHY	07820	NJ
22-36-0194	DANKS & FREEBORN BROTHER		ALLAMUCHY	07820	NJ
22-36-0200	SCOTT FARM	WEST MILL ROAD	LONG VALLEY	07853	NJ
22-36-9017	MIERS, FRED	R O 1	COLUMBIA	07832	NJ
22-36-9019	UNANGST, OSCAR	R O	BELVIOERE	07823	NJ
22-36-9048	GIBBS FARM 2		ALLAMUCHY	07820	NJ
22-36-9066	WOOLF, EARL J AND EOGAR	R O 1	ASBURY	08802	NJ
22-36-9159	CASTLE CREEK DAIRY FARM	ROBERT L KAYHART R	PORT MURRY	07865	NJ
23-01-0029	E NOEL & P REODING	R O 1	HANOVER	17331	PA
23-01-0073	ROBERT E GITT	R O 2	LITTLESTOWN	17340	PA
23-01-0083	ADAM F LOBAUGH	R O 1	ASPERS	17304	PA
23-01-0093	OSCAR WINTERS	R O 5	HANOVER	17331	PA
23-01-0094	ROBEL ACRES	R O 1	NEW OXFORD	17350	PA
23-01-0095	MERVIN K MYERS	R O 2	LITTLESTOWN	17340	PA
23-01-0106	R W & M R OURBORAW	R O 1	GETTYSBURG	17325	PA
23-01-0112	LU PA GREEN ACRES	R O 6	GETTYSBURG	17325	PA
23-01-0148	MILTON R HOFFMAN	R O 5	GETTYSBURG	17325	PA
23-01-0152	KLING AYR FARMS	R O 2	NEW OXFORD	17350	PA
23-01-0153	ROBERT E SMITH	R O 2	YORK SPRINGS	17372	PA
23-01-0154	H E MILLER & GOBRECH	R O 2 BOX 53	NEW OXFORD	17350	PA
23-01-0155	ROY A WEANER JR	R O 6	GETTYSBURG	17325	PA
23-01-0161	GOLO WHITE GUERNSEYS	RO 5 J HENRY KNELL	GETTYSBURG	17325	PA
23-01-0164	TYRONE M FARMS	R O 2 SHARRER	NEW OXFORD	17350	PA
23-02-0001	WOODVILLE ST HOSP	C/O FARM MANAGER	CARNEGIE	15106	PA
23-02-0008	MAYVIEW STATE HOSP	FARM MANAGER	BRIEGEVILLE	15017	PA
23-02-0011	WARREN W SCOTT	R O 2	OAKDALE	15071	PA
23-02-0027	KUEHN BROS	915 MAC BETH DRIVE	MONROEVILLE	15146	PA
23-02-0028	HALMAR FARM	R O 1	IMPERIAL	15126	PA
23-02-0035	FLOYD LUTZ & SONS	R O 2 BOX 368	OAKDALE	15071	PA
23-02-0042	JOSEPH MC WREATH	R F O 1	MC DONALD	15057	PA
23-02-0046	MATTHEW PANGERSIS	R F O 1	OAKDALE	15071	PA
23-02-0047	R C & F G HAYDEN	R O 3	ELIZABETH	15037	PA
23-03-0001	FRANK SCHRECKENGOST	R O 2	OAYTON	16222	PA
23-03-0017	WARO CLAYPOOL & SON	R O	WORTHINGTON	16262	PA
23-03-0040	RAY CLAYPOOLE & SONS	R O 2	WORTHINGTON	16262	PA
23-03-0053	BOWSER DAIRY	R O 1	WORTHINGTON	16262	PA
23-04-0009	JACK OOUTHITT	R O 2	OARLINGTON	16115	PA
23-04-0010	MC CHESNEY BROS	R O 1	NEW GALILEE	16141	PA
23-04-0013	HAZEN BROS	R O 2	ELLWOOD CITY	16117	PA
23-04-0019	O H & LLOYD BRENNER	R O 1	ROCHESTER	15074	PA
23-04-0027	JOHN MC COY	R O 1	ALTIQUIPPA	15001	PA
23-04-0060	J M KROLL & SONS	R O 1	FOMBELL	16123	PA
23-05-0002	LUTHER & RAY AMICK	R O 1	NEW ENTERPRISE	16664	PA
23-05-0013	ROBERT H BEACH	R O 1	ROARING SPRINGS	16673	PA
23-05-0018	RAY GRUBB	R O 1	NEW ENTERPRISE	16664	PA
23-05-0028	PAUL FORO	R F O 1	EVERETT	15537	PA
23-05-0062	J ALLEN BAKER	R O 4	BEOFORO	15552	PA
23-05-0071	RANOLPH HITE	R O 3	BEOFORO	15522	PA
23-05-0082	EUGENE O KING	R O 1	NEW ENTERPRISE	16664	PA
23-05-0124	ROBERT SMITH & SON	R O 2	BEOFORO	15522	PA
23-05-0130	JAMES WYLES & SONS	R O	ROARING SPRINGS	16673	PA
23-05-0131	LUTHER O STEELE	R O 1	NEW ENTERPRISE	16664	PA
23-05-0143	BYRON OVER	R O 1	ROARING SPRING	16673	PA
23-05-0145	CARL HOWSARE	R O 3 BOX 230	BEOFORO	15522	PA
23-05-0151	SINKING SPRING FARM	R F O 1	EVERETT	15537	PA
23-05-0186	HAROLD K CORLE	R O 1	ROARING SPRING	16673	PA
23-05-0188	HENRY & RON RITCHEY	R O 1	NEW ENTERPRISE	16664	PA
23-05-0207	EDWARD L CREPS	R O 1	EVERETT	15537	PA
23-05-0232	BERNARD SNIDER	R O 1	NEW ENTERPRISE	16664	PA
23-05-0244	CLARENCE & KEN MOWRY	R O 1	ROARING SPRING	16673	PA
23-05-0250	RAYMONO HINISH JR	R O 1	SAXTON	16678	PA
23-06-0001	JACOB G LEIBY	R 2	HAMBURG	19526	PA
23-06-0002	ERNEST O MILLER	R 2	HAMBURG	19526	PA
23-06-0006	ROBERT O SEIOEL	R 3	FLEETWOOD	19522	PA
23-06-0007	PAUL J SIEGFRIED	R 1	MERTZTOWN	19539	PA
23-06-0009	RAYMONO P DELONG		BOWERS	19511	PA
23-06-0020	HARRY A LUTZ	R 2	KEMPTON	19529	PA
23-06-0021	ELLIS R KUNKEL	R 2	KEMPTON	19529	PA
23-06-0022	MARK O BAILEY	R 2	KEMPTON	19529	PA
23-06-0031	ROY Y STOLTZFUS	R O 2	DOUGLASSVILLE	19518	PA
23-06-0036	DAN E MAST	R O 1	OLEY	19547	PA
23-06-0037	RALPH C RICHARD	R O 1	OLEY	19547	PA
23-06-0040	ELMER W HOWARD & SON	R O 1	OLEY	19547	PA
23-06-0046	SAMUEL G YOGER		SHOEMAKERSVILLE	19555	PA
23-06-0047	GEORGE E SEIOEL	R O 1	WOMELSOORF	19567	PA
23-06-0054	RO RIA FARMS	BOX 119	HAMBURG	19526	PA
23-06-0059	SHOW TOP FARMS	R O 1	ALBURTIS	18011	PA
23-06-0061	W OREIBELBIS & SONS	R 1	SHOEMAKERSVILLE	19555	PA
23-06-0066	RAY M SATTAZAHN	R F O 1	WOMELSOORF	19567	PA
23-06-0069	J HERSHEY MYER	R O 1 BOX 166	WOMELSOORF	19567	PA
23-06-0074	DANIEL J HARNISH	R O 1	RICHLAND	17087	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-06-0077	PAUL F HOLLENBACH	R D 1	BETHEL	19507	PA
23-06-0080	WILLIAM A GRIMES	STAR ROUTE	SHARTELSVILLE	19554	PA
23-06-0093	WERNERSVILLE ST HDSP	C/O D E WAGNER	WERNERSVILLE	19565	PA
23-06-0094	RIEGEL BROTHERS	R D 5 BOX 208	SINGING SPRING	19608	PA
23-06-0109	ROGER S BUCH	R D 2	FLEETWOOD	19522	PA
23-06-0118	REUHEL FARMS INC	R D 1	MOHRSVILLE	19541	PA
23-06-0121	LEE C WEBBER	BOX 98	MYERSTOWN	17067	PA
23-06-0126	VISTA GRANDE FARM	R D 2	FLEETWOOD	19522	PA
23-06-0131	EARL R HOFFMAN	R D 1	OLEY	19547	PA
23-06-0135	MARK A WOLFSKILL	R D 1	ROBESONIA	19551	PA
23-06-0143	RODGER L WAGNER	R D 1	OLEY	19547	PA
23-06-0145	PINE BROOK FARM	BOX 205	OLEY	19547	PA
23-06-0147	FERYL J TREICHLER	R 3	KUTZTOWN	19530	PA
23-06-0152	LENILEA FARM	ROBERT G SEIP R D	ALBURTIS	18011	PA
23-06-0153	DONALD B DUNCAN	R D 1	ROBESONIA	19551	PA
23-06-0155	CHARLES R KISSLING	R D 1	ROBESONIA	19551	PA
23-06-0161	CLARENCE NAFTZINGER	R D 2	BERNVILLE	19506	PA
23-06-0180	DONALD E LANDIS	R D 1	MYERSTOWN	17067	PA
23-06-0184	CHARLES W LAMM	R D 5	SINKING SPRINGS	19608	PA
23-06-0185	CLARENCE H MARTIN	R D 6 BOX 540	SINKING SPRINGS	19608	PA
23-06-0187	LEONARD G STOLTZFUS	BOX 58	YELLOW HOUSE	19568	PA
23-06-0189	MRS M M MERTZ	R D 3	KUTZTOWN	19530	PA
23-06-0193	FLOYD WEBER	R R 1	MOHNTON	19540	PA
23-06-0201	LESTER C MILLER	R D 3	KUTZTOWN	19530	PA
23-06-0227	KER MIN FARMS	BOX 36 R D 3	FLEETWOOD	19522	PA
23-06-0231	AMOS E KETNER	R D 2	BERNVILLE	19506	PA
23-06-0239	WILLIAM G HOWERTER	R 2	KEMPTON	19529	PA
23-06-0246	CHARLES PLUSHANSKI	R D 3	KUTZTOWN	19530	PA
23-06-0247	JAMES G STUTZMAN	R D 3	KUTZTOWN	19530	PA
23-06-0248	FRED BOHN & SONS	R D 1 BOX 123	MYERSTOWN	17067	PA
23-06-0251	DALE H WILSON	R D 2 BOX 539C	READING	19605	PA
23-06-0265	HOMER B READINGER	R D 1 BOX 53	FLEETWOOD	19522	PA
23-06-0271	WAY HAR FARMS	R D 1	BERNVILLE	19506	PA
23-06-0276	JOHN H STUMP	R D 2	BERNVILLE	19506	PA
23-06-0284	EDWARD R HAAS	R D 1	LENHARTSVILLE	19534	PA
23-06-0289	RAYMOND L KULP	R D 2 BOX 119	KUTZTOWN	19534	PA
23-06-0307	DONALD M MEYERS	R D 2	KEMPTON	19529	PA
23-06-0309	ANDREW D STOLTZFUS	R D 2	ELVERSON	19520	PA
23-06-0314	RICHARD R TRUTMAN	R D 1	RICHLAND	17087	PA
23-06-0323	HOWARD H GELSINGER	R D 1 BOX 114	ROBESONIA	19551	PA
23-06-0334	MELVIN GERHART JR	R D 2	BERNVILLE	19506	PA
23-06-0341	NORMAN Z NOLT	R D 1	MYERSTOWN	17067	PA
23-06-0347	MELHART FARM	R D 1	WERNERSVILLE	19565	PA
23-06-0351	RAY E BICKSLER	R D 2	BERNVILLE	19506	PA
23-06-0354	FRANK G GROMLICH	R D 2	HAMBURG	19526	PA
23-06-0356	LEON H BERNDT	R D 2	DOUGLASVILLE	19518	PA
23-07-0002	JAMES BAKER	R D	MARTINSBURG	16662	PA
23-07-0015	ROSS BURKET	R D 1	TYRONE	16686	PA
23-07-0017	J ROBERT DAUBERMAN	R D	ROARING SPRING	16673	PA
23-07-0024	RALPH FORSHT	R D 1	DUNCANVILLE	16635	PA
23-07-0025	LIN WAY ACRES	R D	ROARING SPRING	16673	PA
23-07-0028	J EMMERT GUYER	R D	ROARING SPRING	16673	PA
23-07-0031	CARL F HELSEL	R D 2	PORTAGE	15946	PA
23-07-0033	CHALMER HILEMAN	R D 1	TYRONE	16686	PA
23-07-0035	BYRON SOLLENBERGER		CURRYVILLE	16631	PA
23-07-0054	HOLLIDAYSBURG ST HOS		HOLLIDAYSBURG	16648	PA
23-07-0059	MARY WALTERS	R D BOX 74	CLAYSBURG	16625	PA
23-07-0084	RICHARD HELTZEL	R D	MARTINSBURG	16662	PA
23-07-0091	DALE W HOOVER	R D	MARTINSBURG	16662	PA
23-07-0099	CLOVER WILL FARMS	R D 1	WILLIAMSBURG	16693	PA
23-07-0104	BYRON SOLLENBERGER		CURRYVILLE	16631	PA
23-07-0107	HAROLD YINGLING	R D	MARTINSBURG	16662	PA
23-07-0108	OSWALD BROS	R D 2 BOX 108	TYRONE	16686	PA
23-07-0113	FRED SMITH	R D 2	MARTINSBURG	16662	PA
23-07-0119	MILTON CORLE	R D 2	MARTINSBURG	16662	PA
23-07-0121	GEORGE BRIDENBAUGH	R D 1	MARTINSBURG	16662	PA
23-07-0124	DAVID C BURKET	R D	EAST FREEDOM	16637	PA
23-07-0126	EMILE DILLING	R D 2	WILLIAMSBURG	16693	PA
23-07-0127	RALPH BECK JR	R D 1 BOX 176	TYRONE	16686	PA
23-07-0129	MARION SMITH	R F O 2	MARTINSBURG	16662	PA
23-07-0133	KENNETH CRAWFORD SON	R D 1 BOX 165	TYRONE	16686	PA
23-07-0137	FRED BECHTEL		CURRYVILLE	16631	PA
23-07-0148	SAMUEL BLACK	R D 3 BOX 398	ALTOONA	16601	PA
23-07-0154	HAROLD W BAILEY	R D 1	ROARING SPRING	16673	PA
23-07-0157	OAR WIL FARMS	R D 1	MARTINSBURG	16662	PA
23-07-0167	MALCOM DRAKE	R D 2	MARTINSBURG	16662	PA
23-07-0169	ALTON FISHER	R D 3 BOX 360	ALTOONA	16601	PA
23-07-0178	W DEAN STERN	R D	ROARING SPRING	16673	PA
23-07-0179	CLAIR BURKET & SON	R D 2	WILLIAMSBURG	16693	PA
23-07-0188	R W SMITH & BROS	R D 2	HOLLIDAYSBURG	16662	PA
23-07-0203	GLENN R HOOVER	R D 2	MARTINSBURG	16662	PA
23-07-0204	DONALD GEARHART	R D 2	MARTINSBURG	16662	PA
23-07-0210	HAROLD A WAREHAM	R D	ROARING SPRING	16673	PA
23-07-0211	J DONALD BAKER	R D	MARTINSBURG	16662	PA
23-08-0001	L FLEMING & SONS	R D 1	TROY	16947	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	AD OR ESS D F OWNER	TOWN	ZIP-CODE	STATE
23-08-0006	A & G RICKWELL	R D 3		TROY	16947	PA
23-08-0008	ORTON & DUANE MATTOCKS	R D 2		TROY	16947	PA
23-08-0034	MAPOVAL FARMS INC	R D 1		MILAN	18831	PA
23-08-0038	FOX CHASE FARMS			TOWANOA	18848	PA
23-08-0039	WM BRUCE BRESEE	R D 1		ULSTER	18850	PA
23-08-0041	BRADFORD COUNTY HOME	R O 3		TRDY	16947	PA
23-08-0044	RALPH KERRICK & SON	R O 4		TOWANDA	18848	PA
23-08-0057	LEROYDALE FARMS	JOHN L BRACKMAN & SO		CANTON R O 1	17724	PA
23-08-0064	WILCOX BROS	R O 1		CANTON	17724	PA
23-08-0067	JOHN SWINGLE & SON	R O 1		CANTON	17724	PA
23-08-0071	P F FLEMING & SDNS	R D 1		GRANVILLE SUMMIT	16926	PA
23-08-0074	WALTER METZGER	R D 1		CANTON	17724	PA
23-08-0087	BENNETT R YOUNG	R O 1		MILAN	18831	PA
23-08-0104	FREO & DALE MATTOCKS	R O 2		CDLUMBIA CRDSS RD	16914	PA
23-08-0108	EUGENE HARRIS	R D 1		MILAN	18831	PA
23-08-0124	RUSSEL L JONES			LITTLE MEADOWS	18830	PA
23-08-0135	ROE RUSSELL JR	R D #1		ROME	18837	PA
23-08-0137	THOMAS MC CARTY			SUGAR RUN	18846	PA
23-08-0138	E P KENNEDY	R O 1		WYALUSING	18853	PA
23-08-0139	JOHN H HOWARD & SONS	R D 2		WYALUSING	18853	PA
23-08-0140	JOHN CULVER	R D 2		LACEYVILLE	18623	PA
23-08-0143	LYNN A MILLER	R O 2		TOWANOA	18848	PA
23-08-0144	FRENCH FARM	R O 2		TOWANDA	18848	PA
23-08-0146	SHUMHURST FARM	R D 1		WYALUSING	18853	PA
23-08-0147	KENAVA FARMS	R O 2		TOWANDA	18848	PA
23-08-0149	CLAUDE CLARK JR	R O 4		WYALUSING	18853	PA
23-08-0152	BARRETT BROTHERS	R D 4		TOWANOA	18848	PA
23-08-0153	R CHAMPLUVIER & SDN	R D 2		WYALUSING	18853	PA
23-08-0157	JAMES HOWARD	R D 2		WYALUSING	18853	PA
23-08-0163	CARLTON & TED DIBBLE	R O 2		NEW ALBANY	18833	PA
23-08-0170	VERNON ALLIS	R O 1		WYALUSING	18853	PA
23-08-0172	FREDERICK G BUTTS	R O 2		TOWANDA	18848	PA
23-08-0190	DONALD PACKARD	R O 1		GRANVILLE SUMMIT	16926	PA
23-08-0209	LEIGH STURDEVANT	R D 2		WELLSBURG	14894	NY
23-08-0210	WALTER S COLE JR	R O 3		COLUMBIA CROSS RD	16914	PA
23-08-0233	GEORGE SHELL	R D 2		CDLUMBIA CROSS RD	16914	PA
23-08-0234	GEORGE PAGE JR	R D 2		CDLUMBIA CROSS RD	16914	PA
23-08-0262	DEAN & JACK BEGFORD	R O 1		CANTON	17724	PA
23-08-0279	DONALD JENNINGS	R O 2		MILLERTON	16936	PA
23-08-0281	ROBERT TILLINGHAST	R F D 2		GILLET	16925	PA
23-08-0291	ROBERT S THOMSON	R O 4		WYALUSING	18853	PA
23-08-0309	ELWIN ROBERTS	R D 2		CANTON	17724	PA
23-08-0312	CHESTER K HALE	R D 1		WYSDX	18854	PA
23-08-0313	ARCHIE L WILLIAMS	R D 1		LE RAYSVILLE	18829	PA
23-08-0321	BRUCE L MORSE	R F D 1		CANTON	17724	PA
23-08-0324	ROBERT EICK	R D 3		COLUMBIA CROSS RD	16914	PA
23-08-0330	GLEN & ARLEN LANDIS	R D 1		TROY	16947	PA
23-08-0331	STRONG FARM	W E S WILSON R D 2		COLUMBIA CROSS RD	16914	PA
23-08-0343	RUSSELL ANDERSON			GRANVILLE SUMMIT	16926	PA
23-08-0365	KENNETH HOOSE	R O 1		GILLET	16925	PA
23-08-0370	CLAYTON OLDROYD	R D 3		COL X RDADS	16914	PA
23-08-0372	WILLIAM BROWN	R O 2		NICHOLS	13812	NY
23-08-0377	ERNEST SAXTON & SON	R O		GRANVILLE SUMMIT	16926	PA
23-08-0378	BEN JACKSON & SONS	R D 2		CDLUMBIA CROSS RD	16914	PA
23-08-0398	RICHARD BRISTOL	R D 3		TRDY	16947	PA
23-08-0418	LA VERE NOBLE & SON			GILLET	16925	PA
23-08-0432	MAX L DEWING	R O 1		WARREN CENTER	18851	PA
23-08-0436	MILFORD KINSMAN	R O 3		TROY	16947	PA
23-08-0441	LYLE D MONRO	R O 1		COLUMBIA CROSS RD	16914	PA
23-08-0457	RICHARD KINGSLEY	R O 1		CDLUMBIA CRDSS RD	16914	PA
23-08-0460	JESSE M GARONER	R O 1		ULSTER	18850	PA
23-08-0462	LLOYD H SEELEY	R O 2		CANTON	17724	PA
23-08-0463	STORCHMONT FARMS	R O 3		TROY	16947	PA
23-08-0466	ROY WATSON	R O 1		CDLUMBIA CROSS RD	16914	PA
23-08-0468	LOU & JEFF WARNER	R O 2		GILLET	16925	PA
23-08-0473	MARINUS DE BRUIN	R D 1		CANTON	17724	PA
23-08-0482	RICHARD H PACKARD	BOX 222 R D 3		TROY	16947	PA
23-08-0493	EDWARD MORSE	R F D 3		TROY	16947	PA
23-08-0496	RICHARD D CONDVER JR	R O 2		ULSTER	18850	PA
23-08-0498	RDY WATSON FARM 1	R O 1		CDLUMBIA CROSS RD	16914	PA
23-08-0511	ROBERT H WHIPPLE	R O 5		TOWANDA	18848	PA
23-08-0524	EAST KNOLL FARM	MELVIN PEIFER		R D 1 CANTON	17724	PA
23-08-0528	ABRAHAM S OERSTINE	R D 2 BOX 248		ATHENS	18810	PA
23-08-0529	ROBERT TAYLOR	R D 1		RDME	18837	PA
23-08-0536	PERRY ANDERSON & SDN	R D 3		TRDY	16947	PA
23-08-0537	RICHARD B REAGAN	R D 1 BOX 85		ATHENS	18810	PA
23-08-0543	FRANK HERMAN JR	R O 2 BOX 37		CANTON	17724	PA
23-08-0545	RICHARD O WHEELER	R D 1		PINE CITY	14871	NY
23-08-0550	HAROLD LEWIS	R O 1		TOWANDA	18848	PA
23-08-0552	WILLIAM J SMITH	R O 2		MANSFIELD	16933	PA
23-08-0556	GORDON ALBRECHT	R O 1		COLUMBIA CROSS RD	16914	PA
23-08-0558	HARRY W SMITH	R O 2		WYALUSING	18853	PA
23-08-0559	FRANCIS PROOF	R D 3		WYALUSING	18853	PA
23-08-0563	HARRIS BUNKLEBERGER	R O 2		MILLERTON	16936	PA
23-08-0569	LE CANVILLE FARM	RD2 DONALD G HELL		CANTON	17724	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET DR ROUTE	TOWN	ZIP-CODE	STATE
23-08-D574	H W & GLADYS ALDERFER	R D 1 80X 68	TROY	16947	PA
23-08-0581	JOHN & SHEILA WILCOX	R O 3	TROY	16947	PA
23-08-0583	GEORGE ANDERSON & SON	R D 3	TROY	16947	PA
23-08-0585	EASTMANS	R D 1	ROME	18837	PA
23-08-0589	ROBERT & GARY BURKE	R D 1	SUGAR RUN	18846	PA
23-08-0608	JOHN N TAYLOR	R D 4	WYALUSING	18853	PA
23-08-0631	JAMES KELLY	R D 1 80X 104	GRANVILLE SUMMIT	16926	PA
23-08-0653	HARVEY HENNIP	R O 1	RDME	18837	PA
23-08-6002	F & C SHAFFER	R O 1	WYALUSING	18853	PA
23-08-6004	WALTER WARBURTON	R O 1	WYALUSING	18853	PA
23-09-0032	P & C BERGER	R D	KITNERSVILLE	18930	PA
23-09-0036	PARRY 8RDS		RUSHLANO	18956	PA
23-09-0051	WALTER 8 WURSTER	R D 1	DTTSVILLE	18942	PA
23-09-0060	WARREN E BUCKMAN JR	80X 125 R R 2	PERKASIE	18944	PA
23-09-0061	FREDERICK 8RDS	R F D 1	NEW HOPE	18938	PA
23-09-0062	ROBERT CROUSE	R F O 1	RIEGELSVILLE	18077	PA
23-09-0064	WARREN W OETWEILER	R R 2 80X 203	PERKASIE	18944	PA
23-09-0065	LEONARD E CRODKE	80X 252	NEW HOPE	18938	PA
23-09-0068	H CAL & ODRIS WEIKEL	R D 1 80X 340	PERKASIE	18944	PA
23-09-0069	HARDLO 8 RICK	R D 1	KINTNERSVILLE	18930	PA
23-09-0073	STANLEY R LANDIS	APPLE ROAD R D 4	QUAKERTOWN	18951	PA
23-09-0077	OTTO W KUNKEL	R D 1	NEWTOWN	18940	PA
23-09-0079	GRUVER 8RDS	R D 1	PIPERSVILLE	18947	PA
23-09-0081	GERALD & CAROLE ULMER	R O 1	RIEGELSVILLE	18077	PA
23-09-0083	PAUL & ODRIS DANIELS	80X 157	PINEVILLE	18946	PA
23-09-0088	RICHARD RIDGWAY	STUMP R O 80X 176	PIPERSVILLE	18915	PA
23-09-0096	CLIFFORD W MOYER	R D 1 80X 121	PERKASIE	18944	PA
23-09-0101	ROY SHULL	R D 1	PIPERSVILLE	18941	PA
23-09-0102	J EARLE YERKES JR	R D 1	PIPERSVILLE	18947	PA
23-09-0118	J HALLOWELL & SON	1265 MEANS RD	IVYLAND	18974	PA
23-09-0119	PENROSE HALLOWELL		OTTSVILLE	18942	PA
23-09-0134	KEN & VIRGINIA HAGER	R D 1 80X 25	KINTNERSVILLE	18930	PA
23-09-0137	HARRY F ATKINSON JR	80X 96	PENNS PARK	18943	PA
23-09-0140	H WALTER JOHNSON	R O 1	RIEGELSVILLE	18077	PA
23-09-0141	ROBERT A HOLLAND	80X 40	BEOMINSTER	18910	PA
23-09-0144	BRUCE LEATHERMAN	R R 2 80X 230	PERKASIE	18944	PA
23-09-0145	W CLYDE & FERN MILL	80X 166	PLUMSTEADVILLE	18949	PA
23-09-0147	JOSEPH M PETERS	80X 79	ONANBORO	18916	PA
23-09-0151	WILLOW RIDGE FARM	80X 146	BUCKINGHAM	18912	PA
23-09-0214	PENBUCK FARMS	R O 1	RIEGELSVILLE	18077	PA
23-09-0301	HW & LCO LOWNES	SYCAMORE ST	NEWTOWN	18940	PA
23-09-0306	BREEZYVALE FARMS INC	W W WRIGHT	YAROLEY	19067	PA
23-09-0310	J L FRANK & L G FOX	SILVER LAKE FARM	80X 162 NEWTOWN	18940	PA
23-09-0322	AMOS K KIRK & SON	R O 1	NEWTOWN	18940	PA
23-09-0412	PAUL L BISHOP	80X 195 R O 1	PERKASIE	18944	PA
23-09-0415	WILLIAM TYSON	R O 2 80X 195	PERKASIE	18944	PA
23-09-0417	RAYMOND GROSS		PLUMSTEADVILLE	18901	PA
23-09-0418	LOCKHART FARMS INC	M R 2	CHALFONT	18914	PA
23-09-0424	FREY & ZOELLIN	R O	OTTSVILLE	18942	PA
23-09-0427	GARWOOD L MEYERS		BEOMINSTER	18910	PA
23-09-0431	ERNEST S OETWEILER	R D	OTTSVILLE	18942	PA
23-09-0433	DARWIN L GRUVER		PIPERSVILLE	18947	PA
23-09-0607	MICHAEL RAPUANO	R F D 1	NEWTOWN	18940	PA
23-09-0609	DELAWARE VAL COLLEGE	OF SCIENCE & AGR	DOYLESTOWN	18901	PA
23-09-0802	JAMES L HOWES	BUCKS COUNTY	NEWTOWN	18940	PA
23-09-0811	H EASTBURN SMITH		NEW HOPE	18938	PA
23-09-0816	L IVINS SMITH	R O 2 80X 66	NEW HOPE	18938	PA
23-09-0826	CARL R KRESGE	R D 2	NEW HOPE	18938	PA
23-09-0828	FRED BELKE	R D	NEWTOWN	18940	PA
23-09-0829	OIABASE FARM	% HANS GRAMM	R O 2 NEW HOPE	18938	PA
23-09-0902	R WORTHINGTON & SON	R O 1	DOYLESTOWN	18901	PA
23-09-0904	GEORGE S BISHOP	R O 1	DOYLESTOWN	18901	PA
23-09-0906	HAROLD HALDEMAN		ONANBORO	18916	PA
23-09-0908	BISHCROFT		FOUNTAINVILLE	18923	PA
23-09-0911	J HENRY MYERS	R D 2	DOYLESTOWN	18901	PA
23-09-0923	WALTER MILL 3 SON	R O 2	PERKASIE	18944	PA
23-10-0010	O O HARTZELL	R O 6	BUTLER	16001	PA
23-10-0024	THIELE 8RDS	R O 1	CABOT	16023	PA
23-10-0030	HALSTEA 8RDS	R O 1	SAXONBURG	16056	PA
23-10-0045	FINLEY COOPER & SON	R O 1	SLIPPERY ROCK	16057	PA
23-10-0050	JOHN F WILSON	R O 2	VALENCIA	16059	PA
23-10-0061	EVA CAP FARM	R D 6 POWELL ROAD	BUTLER	16001	PA
23-10-0080	SIMPSON FARM	R D 4	BUTLER	16002	PA
23-10-0083	RALPH S THROWER	R O 1	SAXONBURG	16056	PA
23-10-0084	W F & ALBERT HOGG	R O 4	SLIPPERY ROCK	16057	PA
23-10-0096	DEAN E CRITCHLOW	R D 1	HARRISVILLE	16038	PA
23-10-0120	W K SHEIDEMANTLE	R O 1	HARMONY	16037	PA
23-10-0123	JOSEPH M RENO	R O 2 80X 89	VALENCIA	16059	PA
23-10-0125	GLADYS O SUCCOP	R O 1	RENFREW	16053	PA
23-11-0040	JAMES C MAKIN	R O 1 80X 503	PORTAGE	15946	PA
23-11-0049	VALE WOOD OAIRY	P O 80X 13	CRESSON	16630	PA
23-13-0001	ROBERT KUNKEL	R O 1	WEATHERLY	18255	PA
23-14-0005	CORRECTIONAL INDUSTS	RCKVW % S STOVER	BELLEFONTE	16823	PA
23-14-0020	HENRY WEIGHT	R F D 2	BELLEFONTE	16823	PA
23-14-0026	HUGH L WILSON		WARRIORS MARK	16877	PA

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-14-0032	GLAOELL FARMS	¾ A REARICK 80X 39	MILLHEIM	16854	PA
23-14-0047	RALPH E COLVER		MILLHEIM	16854	PA
23-14-0053	SHELOON A CORL	80X302 PINE GROVE	STATE COLLEGE	16801	PA
23-14-0066	JAMES & PAUL HARTLE	R O 1	8ELLEFONTE	16823	PA
23-14-0072	ROGER T GREEN		WARRIORS MARK	16877	PA
23-14-0073	RANOALL ALBRIGHT		WARRIORS MARK	16877	PA
23-14-0130	GEORGE E ZIMMERMAN	R O 2	8ELLEFONTE	16823	PA
23-14-0152	S M LOWERY	R O 2	8ELLEFONTE	16823	PA
23-14-0157	FRANK CONNELLY	R O 1	PA FURNACE	16865	PA
23-14-0164	HAROLO W LUCAS	R O 2	8ELLEFONTE	16823	PA
23-14-0165	OALE E MILLER	R O 2	SPRING MILLS	16875	PA
23-14-0167	MELVIN G MILLER	R O 2	SPRING MILLS	16875	PA
23-14-0179	EO OKEEFE	R O 1 80X 543	BOALSBURG	16827	PA
23-14-0181	JAY Houser	R O 2	SPRING MILLS	16875	PA
23-14-0184	PENN STATE UNIV	OAIRY 8ARN	UNIVERSITY PARK	16802	PA
23-14-0185	PENN STATE UNIV	OAIRY 8ARN	UNIVERSITY PARK	16802	PA
23-14-0186	PENN STATE UNIV	OAIRY 8ARN	UNIVERSITY PARK	16802	PA
23-14-0187	PENN STATE UNIV	OAIRY 8ARN	UNIVERSITY PARK	16802	PA
23-14-0202	JOSEPH HARTLE JR	R O 1	8ELLEFONTE	16823	PA
23-14-0213	GEORGE R FUTHEY	R O	WOODOWARO	16820	PA
23-14-0214	JOHN W LOWERY	R O 2	BELLEFONTE	16823	PA
23-14-0215	G KENNETH NOLAN		HUBLERSBURG	16842	PA
23-14-0219	ODNALO A OREIBEL8IS	1101 WEST CLINTON	STATE COLLEGE	16801	PA
23-14-0225	TUSSEY VIEW FMS INC	R O 1	CENTRE HALL	16828	PA
23-14-0226	CLAUOE HOMAN	R O 1	CENTRE HALL	16828	PA
23-14-0237	LESLIE OEITRICH	80X 43	MINGOVILLE	16856	PA
23-14-0251	HAROLO ESTERLINE&SON	R O	REBERSBURG	16872	PA
23-14-0253	G W BROOKS FARM	R O	CENTRE HALL	16828	PA
23-14-0265	LEWIS HOUGH	R O	REBERSBURG	16872	PA
23-14-0271	ROBERT M MILLER	R O	WOODOWARO	16882	PA
23-14-0273	R S COURSEN & SONS	R O 2	SPRING MILLS	16875	PA
23-14-0288	C J STOLTZFUS	80X 67 STAR RT	REBERSBURG	16872	PA
23-15-0014	JOHN M UM8LE	R O	ATGLEN	19310	PA
23-15-0033	CHARLES H GA8LE	R O 1	ELVERSON	19520	PA
23-15-0082	KIMBERTON FARMS	¾ ROBERT 8ALLENTIN	R O2 PHOENIXVILLE	19460	PA
23-15-0086	RUTH E WETZEL	R O 1	ODOWNINGTOWN	19335	PA
23-15-0100	QUIET VALLEY FARM	HORACE O WILSON	80X 395 KIMBERTON	19442	PA
23-15-0112	C EDWARD LAWRIE	80X 26 R O 3	OXFORD	19363	PA
23-15-0122	WILLIAM P MOORE	80X 350	CHATTHAM	19318	PA
23-15-0218	HAROLO UM8LE	R O 1	ATGLEN	19310	PA
23-15-0231	H & R MASON	R O 1	NOTTINGHAM	19362	PA
23-15-0240	OAVIO WALTON		KENNET SQUARE	19348	PA
23-15-0258	EARL M WEIR	R O 2	COCHRANVILLE	19330	PA
23-15-0288	RICHARD LANOIS	R O 1	PARKESBURG	19365	PA
23-15-0295	JEFFERSON O YODER	R O 1	ELVERSON	19520	PA
23-15-0296	ELAM PETERSHEIM	R O 2	ELVERSON	19520	PA
23-15-0334	NELSON NAFZIGER	R O 3 80X 459	COATSVILLE	19320	PA
23-15-0338	TIMOTHY KAUFFMAN	R O 1	ATGLEN	19310	PA
23-15-0341	GIOEON K STOLTZFUS	R F O 1	ATGLEN	19310	PA
23-15-0344	PAUL KING	R O 1	COCHRANVILLE	19330	PA
23-15-0407	CHESTER H SOLTYS&SON	876 SCHUYLKILL ROA	SPRING CITY	19475	PA
23-15-0412	VERNON R UM8LE	R O 1	CHRISTIANA	17509	PA
23-15-0416	OAVIO W GROFF	R O 1	WEST GROVE	19390	PA
23-15-0420	ELMER K HERTZLER	R O 2	ELVERSON	19520	PA
23-15-0423	STEPHEN L STOLTZFUS	R O 2	HONEY 8ROOK	19344	PA
23-15-0433	GOTTLIE8 STROHMAIER	R O 1 80X 300	OXFORD	19363	PA
23-15-0443	RONALO F ELLIOTT	R O 1	POTTSTOWN	19464	PA
23-15-0457	WILMER L HOSTETTER	R O 1	OXFORD	19363	PA
23-15-0461	ARTHUR O HERSHEY	R O 1	COCHRANVILLE	19330	PA
23-15-0478	SAMUEL 8 ACKER	R O 1	CHESTER SPRINGS	19425	PA
23-15-0481	THOURON & HASH	R F O 5	WEST CHESTER	19380	PA
23-15-0507	JOHN S STOLTZFUS	R O 1	ATGLEN	19310	PA
23-15-0515	HARRY FREESE & SON	R O 2	OXFORD	19363	PA
23-15-0517	RAYMONO M WEAVER	R O 2	ELVERSON	19520	PA
23-15-0523	ODNALD L SHOEMAKER	R O 1	COCHRANVILLE	19330	PA
23-15-0525	AROROSSAN FARMS	0AR8Y&PAOLI RO ITH	VILLANOVA	19085	PA
23-15-0528	PARK L BUCKWALTER JR	R O 3	OXFORD	19363	PA
23-15-0553	THOMAS F MC CAHON	637 WEST LINCOLN H	EXTON	19341	PA
23-15-0561	MAST STOLTZFUS	R O 1	ATGLEN	19310	PA
23-15-0569	H R & H L BROWN	R O 3	OXFORD	19363	PA
23-15-0570	ODNALO HOSTETTER JR	R O	SAOS8URYVILLE	19369	PA
23-15-0579	LENAPE OAIRY FARM	G WOOD & DWIGHT RA	WAWA	19378	PA
23-15-0580	MERLE J KING	R D 1	COCHRANVILLE	19330	PA
23-15-0592	IRA & MABEL KENNEL	R O 3	ATGLEN	19310	PA
23-15-0593	WALMOORE	80X 8 A	CHATHAM	19318	PA
23-15-0602	HAROLO J RANCK	R O 2	COCHRANVILLE	19330	PA
23-15-0616	LISETER FARM	¾ W B TOWLE 80X 99	NEWTOWN SQUARE	19073	PA
23-15-0622	KAUFFMAN 8ROS	R O 1	ATGLEN	19310	PA
23-15-0627	ANN & NELSON YOUNG	80X 246	WEST GROVE	19390	PA
23-15-0628	8RYNCOEO	R O 2 UNIT 3	CHESTER SPRINGS	19425	PA
23-15-0630	DANIEL Z STOLTZFUS	R O 1	HONEY 8ROOK	19344	PA
23-15-0633	JACOB K STOLTZFUS	R O 1	OXFORD	19363	PA
23-15-0634	CHRIST L STOLTZFUS	R O 1	HONEY8ROOK	19344	PA
23-15-0638	8RYNCOEO FARMS UNIT2	R O 2	CHESTER SPRINGS	19425	PA
23-15-0646	OMER S SMOKER	R O 2	PARKESBURG	19365	PA

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERD CODE	NAME OF DWNER	STREET OR RDUTE	TOWN	ZIP-CODE	STATE
23-15-0648	DAVIO E WEAVER	R O 1	GLENMDORE	19343	PA
23-15-0654	BUTTONWOOD FARMS		8IRCHRUNVILLE	19421	PA
23-15-0658	WILLIAM E SWINGLE #2	R O 3	COATESVILLE	19320	PA
23-15-0661	BRYNCOEO FARMS	R D 2 UNIT 4	CHESTER SPRINGS	19425	PA
23-15-0667	BRYNCDED	R D 2 UNIT 1	CHESTER SPRINGS	19425	PA
23-15-6001	H G HASKELL JR	HILL GIRT FARM	CHA00S FORD	19317	PA
23-16-0004	SHOOKS OAIRY	R D	SLIGO	16255	PA
23-16-0008	ARTHUR E FORREST	R D 1	SLIGO	16255	PA
23-16-0017	FABER MANOR FARMS	R O 1	MAYPORT	16240	PA
23-16-0045	MAHLES FARM	R O 2	CLARION	16214	PA
23-16-0089	EDWARD&KEITH DECKER	R O 2	KNOX	16232	PA
23-17-0030	WILLIAM E MC FAOEN	R O 1	GRAMPIAN	16838	PA
23-17-0067	GLENN HICKS	R D 1	OU BOIS	15801	PA
23-17-6003	WILLIAM YAPLE JR	622 MARY ST	HOUTZDALE	16651	PA
23-18-0017	HAROLD O MOORE	R D 1	MILL HALL	17751	PA
23-18-0018	MALCOLM PETERS & SON		BEECH CREEK	16822	PA
23-18-0060	FERN T OUNKLE & SDN	R D 1	MILL HALL	17751	PA
23-18-0062	CLAIR O CDURTER	BLAIR E CDURTER	R O 2 MILL HALL	17751	PA
23-18-0074	WILBUR W BOOB	R O 1	MILL HALL	17751	PA
23-18-0075	HARRY & RONALD MEYER	R O	LOGANTON	17747	PA
23-18-0089	PAUL LEROY COURTER	R O 2 BOX 103A	MILL HALL	17751	PA
23-18-0094	FRED WATTERS	BOX 104 R O 1	MILL HALL	17751	PA
23-18-0098	RICHARD L SCHENCK	R O 2 BOX 496	MILL HALL	17751	PA
23-18-0100	KYLE AND HIMES		MACKEYVILLE	17750	PA
23-19-0006	FREO J HESS	R O 4	BENTON	17814	PA
23-19-0014	CHARLES R SMITH	R O 1	BENTON	17814	PA
23-19-0043	FRANK LE VAN	R O 3	CATAWISSA	17820	PA
23-19-0057	ALBERT L HACK	R O 2	BERWICK	18603	PA
23-19-0061	J ROBERT 8DOK	R O 2	MILLVILLE	17846	PA
23-19-0088	CHRISTIAN F WOLFF JR	R O 1	MILLVILLE	17846	PA
23-19-0090	J A & W O FAIRCHILD	ROUTE 2	BERWICK	18603	PA
23-19-0091	WELLIVER BROS	ROUTE 5	BLOOMSBURG	17815	PA
23-19-0101	L L FETTERMAN & SDN	ROUTE 2	CATAWISSA	17820	PA
23-19-0103	SHULTZ 8ROS	ROUTE 1	BLOOMSBURG	17815	PA
23-19-0105	CLIFFORD KLINE	R D 3	SHICKSHINNY	18655	PA
23-19-0110	JAY E WEATHERILL	R D 1	BLOOMSBURG	17815	PA
23-19-0123	RICHARD KRIEBEL	R O 4	BENTON	17814	PA
23-19-0127	GLENN F SHAFFER	R O 5	BLOOMSBURG	17815	PA
23-19-0138	CARL SLATER	R O 1	BLOOMSBURG	17815	PA
23-19-0141	HOFFMAN FARMS	130 FORREST ROAD	BLOOMSBURG	17815	PA
23-20-0014	A O MC NAMARA	R D 1	MEAOVILLE	16335	PA
23-20-0023	OEWEY TYER	R O 5	MEADVILLE	16335	PA
23-20-0062	ROY BLACK & SDNS	R O 2	SAEGERTOWN	16433	PA
23-20-0072	EARL R NICOLLS		CONNEAUTVILLE	16406	PA
23-20-0101	HARRY FIRTH	R F D 1	SPARTANSBURG	16434	PA
23-20-0109	HINES 8RDOTHERS	R D 1	COCHRANTON	16314	PA
23-20-0139	PAUL E KUNZ	R 1	CENTERVILLE	16404	PA
23-20-0140	GDRDDN L TURK	R O 1	TITUSVILLE	16354	PA
23-20-0146	A-JAY FARMS	R D 1	SPARTANSBURG	16434	PA
23-20-0157	HORNES OAIRY FARMS	R D 1	ATLANTIC	16111	PA
23-20-0163	RDGER ROCKWELL	R O 3	UNION CITY	16438	PA
23-20-0211	LOREN MITCHELL & SON	R 2	SAEGERTOWN	16433	PA
23-20-0266	MARVIN L CDDK	R D 1	GUYS MILLS	16327	PA
23-20-0276	WILLIAM CULBERTSON	R O 1	EDINBORO	16412	PA
23-20-0279	ROY A HUBER	STAR ROUTE	MEAOVILLE	16335	PA
23-20-0287	WAYNE STAIN8RODK	R D 3	MEAOVILLE	16335	PA
23-20-0297	IVAN & AROEN ORAKE	R D 2	CAMBRIDGE SPRINGS	16403	PA
23-20-0308	ROBERT C CAMPBELL	R D 2	SAEGERTOWN	16433	PA
23-20-0315	MIKE ZULDVICH	R D 1	EDINBORO	16412	PA
23-20-0320	JAMES A HOLLER	R O 1	JAMESTOWN	16134	PA
23-20-0321	RD8ERT DICKSON	R O 1	COCHRANTON	16314	PA
23-20-0326	RDDS & HDTSDN	R O 6	MEAOVILLE	16335	PA
23-20-0328	JCHN R DOCTER	R O 3	CAMBRIDGE SPRINGS	16403	PA
23-20-0335	RDS8 OAN-DEE FARMS	R O 1	SPARTANSBURG	16434	PA
23-20-0354	JAMES K ANDERSON	R D 2	CENTERVILLE	16404	PA
23-21-0006	FRED NAUGLE	R D 6	CARLISLE	17013	PA
23-21-0009	ODNALD T MC CULLDUGH	R F O 1	NEWVILLE	17241	PA
23-21-0020	ROBERT STRDCK	R D 2	MECHANICSBURG	17055	PA
23-21-0036	PAUL R CDNRMAN	R D 2	MECHANICSBURG	17055	PA
23-21-0045	JACK K SUNOAY	R O 1	CARLISLE	17013	PA
23-21-0057	PAUL W CHRONISTER	R O 1	BDILING SPRINGS	17007	PA
23-21-0060	STATE CORRECTNL INST	R O 1	CAMP HILL	17011	PA
23-21-0066	JCHN M LIPPERT	R O 5	CARLISLE	17013	PA
23-21-0084	J B BRYMESSER & SDNS	FARM 1 R O 1	BDILING SPRINGS	17007	PA
23-21-0085	J B BRYMESSER & SDNS	FARM 2 R D 1	BDILING SPRINGS	17007	PA
23-21-0089	ASHCOMBE FARMS	BOX 14	GRANTHAM	17027	PA
23-21-0091	DAVID L MILLER	R R 2	SHIPPENSBURG	17257	PA
23-21-0107	CHESTER&GALAN SMITH	R D 5	SHIPPENSBURG	17257	PA
23-21-0108	CERALO W GAYMAN	R O 5	SHIPPENSBURG	17257	PA
23-21-0111	CLIFFORD CHAMBERLIN	R D 1	SHIPPENSBURG	17257	PA
23-21-0162	J MICHAEL ICKES	R D 1	NEWVILLE	17241	PA
23-21-0194	RICHARD L LEHMAN	R D 2	NEWVILLE	17241	PA
23-21-0239	E LEE OILER & SON	R O 2	NEWVILLE	17241	PA
23-21-0277	PAUL STROCK	R D 2	MECHANICSBURG	17055	PA
23-21-0282	H R GUTSHALL & SDNS	R D 3	CARLISLE	17013	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR RCUTE	TOWN	ZIP-CODE	STATE
23-21-0304	ALLEN DAIRY FARMS	8DX 1D	CARLISLE	17013	PA
23-21-0357	WM M MC CULLOCH&SONS	R O 2	SHIPPENSBURG	17257	PA
23-21-0363	JOHN W FORRESTER&SON	R O 5	SHIPPENSBURG	17257	PA
23-21-0364	F GLENN PEPPER	R D 6	CARLISLE	17013	PA
23-21-0369	J J ZEIGLER & SON	R D 1	CARLISLE	17013	PA
23-21-0377	LESTER L CRIDER	R D 1	SHIPPENSBURG	17257	PA
23-21-0378	FERMAN L LANDIS	R D 1	8DILING SPRINGS	17007	PA
23-21-0381	ALFRED W ZELGER	R D 1 8DX 112	SHIPPENSBURG	17257	PA
23-21-0385	O CLINTON SAUDER	R O 1	8DILING SPRINGS	17007	PA
23-21-0390	EUGENE F HENRY	R D 3	NEWVILLE	17241	PA
23-21-0391	J SHEPARD WOLFF	VALLEY ACRES FARM	NEWVILLE RD1	17241	PA
23-22-0003	HARRISBURG STATE HOS	RF PATTON POUCHA	HARRISBURG	17105	PA
23-22-0010	SAM & TDM WILLIAMS	2400 FULLING MILL	MIDDLETOWN	17057	PA
23-22-0016	JOHN HERTZLER	R D 2	ELIZABETHTOWN	17022	PA
23-22-0020	WARREN HERTZLER	2623 N MARKET ST	ELIZABETHTOWN	17022	PA
23-22-0028	EARL E KEEFER	R D 1	MILLERSBURG	17061	PA
23-22-0096	STONEY LAWN FARMS	1597 COLEBRDOK RD	MIDDLETOWN	17057	PA
23-22-0098	CLOYD ESPENSHADE	R D 1	GRANTVILLE	17076	PA
23-22-0100	LYTLE FARMS INC	915 E H8G PIKE	MIDDLETOWN	17057	PA
23-22-0103	FLOYD FEIDT	R D 1	MILLERSBURG	17061	PA
23-22-0114	PEGMAR FARM	R D 2 80X 474	HALIFAX	17032	PA
23-22-0115	J MELVIN BRANOT	R D 1	HERSHEY	17033	PA
23-22-0121	ROY C WILBERT	R D 1	HALIFAX	17032	PA
23-22-0123	R OWN DAIRY INC	80X 133A R D 2	HALIFAX	17032	PA
23-22-0124	GREATVIEW FARMS	R D 4	LINGLESTOWN	17110	PA
23-24-0001	H J GREGORY	ROUTE 3	ST MARYS	15857	PA
23-25-0109	HOLDSDON FARMS	R D 1	WEST SPRINGFIELD	16443	PA
23-25-0111	ERNEST MARSH	R O 1	WATERFORD	16441	PA
23-25-0209	JAMES HAMMONO	R D 1	CORRY	16407	PA
23-25-0304	HENRY ESTER	R D 1	WATTSBURG	16442	PA
23-25-0453	JOHN H 8 JOHNSON	R O 1	ATERFORD	16441	PA
23-25-0469	WILLIAM J SHEFFER	R D 3	EDINBURG	16412	PA
23-25-0507	CALVIN H HENRY	R D 2	WATTSBURG	16442	PA
23-25-0581	CURTIS HAVEN FARMS	R O 3	UNION CITY	16438	PA
23-26-0009	FRIENDSHIP HILL FARM		NEW GENEVA	15467	PA
23-26-0020	WMS & RITCHEY FARM	25 RIDGEVIEW DRIVE	UNIONTOWN	15401	PA
23-26-0024	SHAFFER FARMS	1610 RIDGE BLVD	CONNELLSVILLE	15425	PA
23-26-0028	JACKSON BROS	R D 1	NEW SALEM	15468	PA
23-26-0040	PAUL BURD & SONS	R D 2 80X 211	UNIONTOWN	15401	PA
23-26-0045	NELSON PORTER & SDN	R O 1	BROWNSVILLE	15417	PA
23-28-0003	NORMAN SOLLENBERGER	R D 1	FAYETTEVILLE	17222	PA
23-28-0008	GERALD E MUMMERT	R D 5	CHAMBERSBURG	17201	PA
23-28-0012	JOHN E SOLLENBERGER	R O 8	CHAMBERSBURG	17201	PA
23-28-0021	T K NITTERHOUSE	R O 6	CHAMBERSBURG	17201	PA
23-28-0028	STONERS HILDS HILL	R D 2	MERCERSBURG	17236	PA
23-28-0029	M H BALDNER	R O 1	ST THOMAS	17252	PA
23-28-0030	J ROBERT MEYERS	80X 63	ST THOMAS	17252	PA
23-28-0040	NEELTON FARM	BOX 67	MERCERSBURG	17236	PA
23-28-0041	HARRY O HOFFMAN &SON	R D 2	GREENCASTLE	17225	PA
23-28-0043	PAUL D ECKSTINE	R O 2	MERCERSBURG	17236	PA
23-28-0048	D ELMER HAWBAKER	LINDEN AV	MERCERSBURG	17236	PA
23-28-0054	CLYDE W GSELL	R D 5	CHAMBERSBURG	17201	PA
23-28-0062	ELDAD KEENER	R O 1	MERCERSBURG	17236	PA
23-28-0067	NORMAN R BRICKER	R D 3	CHAMBERSBURG	17201	PA
23-28-0069	ROY K LEHMAN & SON	R D 3	SHIPPENSBURG	17257	PA
23-28-0080	ALFRED 8 BURKHOLDER	R O 1	FAYETTEVILLE	17222	PA
23-28-0084	HARDLD GAYMAN	ROUTE 2	WAYNESBORO	17268	PA
23-28-0086	ROBERT MELLOTT	R D 2	MERCERSBURG	17236	PA
23-28-0102	HAROLD L WENGER	R D 3	SHIPPENSBURG	17257	PA
23-28-0107	WAYNE MARTIN	R D 4	SHIPPENSBURG	17257	PA
23-28-0114	S MINOR ROBINSON		FT LOUDON	17224	PA
23-28-0117	CARL E PUGH	R D 5	CHAMBERSBURG	17201	PA
23-28-0119	RAY M GARBER	R O 5	CHAMBERSBURG	17201	PA
23-28-0146	MARLIN L FREY	R D 2	CHAMBERSBURG	17201	PA
23-28-0157	NATHAN LEHMAN	R D 3	CHAMBERSBURG	17201	PA
23-28-0164	MARSHALL WITTER	R D 1	MERCERSBURG	17236	PA
23-28-0175	RALPH W BRECHBILL	R O 1	CHAMBERSBURG	17201	PA
23-28-0186	GLENN K MUMMERT	R D 1	CHAMBERSBURG	17201	PA
23-28-0193	JACK K BECK	ROUTE 2	MERCERSBURG	17236	PA
23-28-0202	H LESTER DYLER EST	R D 1 BOX 234	CHAMBERSBURG	17201	PA
23-28-0204	J CHALMERS YOUNG JR	R D 2	GREENCASTLE	17225	PA
23-28-0206	D 8 WILHIDE	R O 1	WAYNESBORO	17268	PA
23-28-0211	CHESTER C OICK	R D 1	NEWBURG	17240	PA
23-28-0229	MARLIN G BRICKER	R R 8	CHAMBERSBURG	17201	PA
23-28-0235	WILLIAM P DESHONG	R D 3	GREENCASTLE	17225	PA
23-28-0282	J ELDDN CRIDER	R O 5	CHAMBERSBURG	17201	PA
23-28-0289	MERLE O WOODRING	R D 3	CHAMBERSBURG	17201	PA
23-28-0296	JAMES C WITTER	STAR ROUTE 1	SHIPPENSBURG	17257	PA
23-28-0304	GEORGE SKELLY	R D 5	CHAMBERSBURG	17201	PA
23-28-0311	KENNETH E OLIVER	R D 1	GREENCASTLE	17225	PA
23-28-0316	HALL & LOVE	STAR ROUTE 1	SHIPPENSBURG	17257	PA
23-28-0317	JAYE F KNEPPER	R R 1	CHAMBERSBURG	17201	PA
23-28-0321	ADIN L FREY	R D 8	CHAMBERSBURG	17201	PA
23-28-0330	RAY V HOLLENSHEAD	R D 1	MERCERSBURG	17236	PA
23-28-0332	FLORENCE 8 LYON	BOX 367	WAYNESBORO	17268	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-28-0338	HOWARD J MELLOTT	R O 2	MERCERSBURG	17236	PA
23-28-0340	CHARLES L NEHF	R D 1	NEWBURG	17240	PA
23-28-0342	CLARENCE ADAMS & SON		WILLOW HILL	17271	PA
23-28-0344	J WILBUR BURKHOLDER	R D 1	CHAMBERSBURG	17201	PA
23-28-0346	LESTER G BITTNER		SABILLASVILLE	21780	MD
23-28-0348	I CHESTER HORST	R D 3	GREENCASTLE	17225	PA
23-28-0349	W LOCKE & R HEGE	R O 1	MERCERSBURG	17236	PA
23-28-0354	ROY KENDIG	R D 1	ORRSTOWN	17244	PA
23-28-0365	LESTER D FORTNA	R D 3	CHAMBERSBURG	17201	PA
23-29-0006	C KENNETH GORDON		MC CONNELLSBURG	17233	PA
23-29-0084	WARREN SWOPE	R D 1	MC CONNELLSBURG	17233	PA
23-29-0085	SEIBERT STRAIT		WARFORDSBURG	17267	PA
23-31-0009	GILLBROOK FARMS NO 1		WARRIORS MARK	16877	PA
23-31-0015	GLENN E HOUCK		SPRUCE CREEK	16683	PA
23-31-0023	DALAND FARMS	R D 2	HUNTINGDON	16652	PA
23-31-0024	BYRD TUSSEY & SON	R D 2	HUNTINGDON	16652	PA
23-31-0031	GEORAN FARMS	% G R 8RUMBAUGH	JAMES CREEK	16657	PA
23-31-0032	STATE CORRECTIONAL	INSTITUTION	HUNTINGDON	16652	PA
23-31-0072	SILAS GIBBONEY	R D 2	HUNTINGDON	16652	PA
23-31-0167	DURBIN FARMS	R D 4	TYRONE	16686	PA
23-31-0174	LAKEVUE FARM	R O 2	HUNTINGDON	16652	PA
23-31-0175	GEARY E SHADE	R D	ALEXANDRIA	16611	PA
23-31-0176	MAX ISENBERG	R D	PETERSBURG	16669	PA
23-31-0216	EVERGREEN FARM NO 3	C/O WAYNE HARPSTER	SPRUCE CREEK	16683	PA
23-31-0222	THOMAS A COLPETZER	R D 1 BOX 118	TYRONE	16686	PA
23-31-0224	WILLIAM H HICKS & SON	R D 4 BOX 262	TYRONE	16686	PA
23-31-6003	EVERGREEN FARM NO 1		SPRUCE CREEK	16683	PA
23-31-6004	EVERGREEN FARM NO 2		SPRUCE CREEK	16683	PA
23-32-0003	WAYNE BRAUGHLER	R O 2	MARION CENTER	15759	PA
23-32-0006	CLYDE HOUCK	R 1	CLYMER	15728	PA
23-32-0012	TORRANCE STATE HOSP		TORRANCE	15779	PA
23-32-0023	JOHN M MC MILLEN	R 2	MARION CENTER	15759	PA
23-32-0040	WAYNE WOOD		SHELOCTA	15774	PA
23-32-0051	RICHARD BLACK	R D 2	MARION CENTER	15759	PA
23-32-0053	R 8 NICHOL	R D 2	MARION CENTER	15759	PA
23-32-0058	JERRY NESBIT		MARCHAND	15758	PA
23-32-0071	JOHN HENDERSON & SON	STAR ROUTE	SALTSBURG	15681	PA
23-32-0098	THOMAS MIKESSELL	R D 2	BLAIRSVILLE	15717	PA
23-32-0118	JOHN BERESNYAK	R D 1	HOME	15747	PA
23-32-0123	RALPH W COON	R D 1	SMICKSBURG	16256	PA
23-33-0018	CORBINVIEW FARMS	R D 2	REYNOLDSVILLE	15851	PA
23-33-0019	M CLAIR REITZ & SON	R D 2	MAYPORT	16240	PA
23-33-0024	DONALD S REED & SONS	R D 3	REYNOLDSVILLE	15851	PA
23-33-0067	BLAKE & JOHN J PARK	SIGEL ROAD	BROOKVILLE	15825	PA
23-33-0082	RALPH R YOUNG JR	BOX 22	RINGGOLD	15770	PA
23-34-0005	CLARENCE SMITH		MC ALISTERVILLE	17049	PA
23-34-0006	JOSEPH W SEIBER JR	R D 2	MC ALISTERVILLE	17049	PA
23-34-0007	JAMES C ADAMS	R D 2	MIFFLINTOWN	17059	PA
23-34-0016	JAMES H SPEER SR	DAVID SPEER	BLAIRS MILLS	17213	PA
23-34-0018	RAYMOND NOSS & SONS	R D 1	PORT ROYAL	17082	PA
23-34-0019	CARL & SUSAN CAMPBELL	R D 1	PORT ROYAL	17082	PA
23-34-0026	CARL MC CLURE	R D 2	PORT ROYAL	17082	PA
23-34-0042	GEORGE LOVE & SON	R D # 1	EAST WATERFORD	17021	PA
23-34-0054	DONALD ADAMS	R D 2	PORT ROYAL	17082	PA
23-34-0057	L C ZIMMERMAN & SONS	STAR ROUTE	MIFFLIN	17058	PA
23-34-0060	WENDELL W SHELLEY	R D 2	MIFFLINTOWN	17059	PA
23-34-0061	JAMES H SPEER JR		BLAIRS MILL	17213	PA
23-34-0062	JACOB K ZOOK	R O 1	PORT ROYAL	17082	PA
23-34-0063	RAYMOND E KAUFFMAN	STAR ROUTE	MIFFLINTOWN	17059	PA
23-34-0073	EDMUND K BOOK	R O 1	PORT ROYAL	17082	PA
23-34-0078	MERRILL E SIEBER	R D 1	THOMPSONTOWN	17094	PA
23-34-0079	JAMES C GRAHAM	R D 1	PORT ROYAL	17082	PA
23-34-0081	MERVIN R ZENDT	R D 2	MIFFLINTOWN	17059	PA
23-34-0082	SAMUEL BENNER JR	R D 2	MIFFLINTOWN	17059	PA
23-34-0089	MARVIN L PEOPLES	R D 2	MC ALISTERVILLE	17049	PA
23-34-0093	ELMER A NOSS	R O 1	HONEY GROVE	17035	PA
23-34-0094	FREEBURN LOVE	NORMAN LOVE R D 1	EAST WATERFORD	17021	PA
23-34-0098	GLEN B SIMONTON	R D 1	PORT ROYAL	17082	PA
23-34-0099	KENNETH S DOMBACH	R D 1 BOX 73	MIFFLINTOWN	17059	PA
23-34-0102	RAYMOND & GLADYS LONG	R D 1	PORT ROYAL	17082	PA
23-34-0104	MARK L ZOOK	STAR ROUTE	MIFFLIN	17058	PA
23-35-0001	CARROLL OECKER		FACTORYVILLE	18419	PA
23-35-0015	ROSIK DAIRY	R D 1	NICHOLSON	18446	PA
23-35-0022	H L & L H JOHNSON	R D 1	JERMYN	18433	PA
23-35-0023	ROBERT NAYLOR	R D 2	FACTORYVILLE	18419	PA
23-35-0028	CRAWFORD SACHSE	R D 2	MOSCOW	18444	PA
23-35-0035	FLOYD ALT	STAR ROUTE	MOSCOW	18444	PA
23-35-0055	H S CORSELIUS SONS	R F D 3	CLARKS SUMMIT	18411	PA
23-35-0080	ANDREW YEDINAK & SON	R O 2	MOSCOW	18444	PA
23-35-0082	GEO & PAUL SHEYPUK	R D 1 BOX 161	JERMYN	18433	PA
23-35-0097	PAUL DARLING	R D 1	NICHOLSON	18446	PA
23-35-0099	MONTOALE DAIRY	R O 1	OLYPHANT	18447	PA
23-35-0107	JOSEPH KAZMIERSKI	R D 1	OLYPHANT	18447	PA
23-35-0114	THOMAS VEETY	R D 2	CLARKS SUMMIT	18411	PA
23-35-0117	DAVID SHOOK	R D 3	CLARKS SUMMIT	18411	PA

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET DR ROUTE	TOWN	ZIP-CODE	STATE
23-36-0006	SUNNY CRAFT FARM	R D 1	EPHRATA	17522	PA
23-36-0010	EZRA M MARTIN	R O 1	EPHRATA	17522	PA
23-36-0011	NELSON E MARTIN	R D 1	EPHRATA	17522	PA
23-36-DD14	HENRY & PAUL MARTIN	R D 1	EPHRATA	17522	PA
23-36-0023	WILMER G KRAYBILL	R D 2	ELVERSON 2	19520	PA
23-36-0024	CALVIN S KURTZ	R O 2	ELVERSON	19520	PA
23-36-0025	JOHN C METZLER	R F O 1	CHRISTIANA	17509	PA
23-36-0031	PARKE H RANCK	R F D 1	RDNKS	17572	PA
23-36-0032	RICHARD H HESS	R O 1	STRASBURG	17579	PA
23-36-0035	ALBERT H MELLINGER	R F O 1	STRASBURG	17579	PA
23-36-0043	JAMES E WEICKSEL	R O 1	CHRISTIANA	17509	PA
23-36-0046	JAY C GARBER	R 6	LANCASTER	17603	PA
23-36-0052	JACOB R HOUSER JR		LAMPETER	17537	PA
23-36-DD53	LANC MENNDITE HOSP	AAARDN B SHIRK R D	LEBANDN	17042	PA
23-36-DD56	MELVIN R EBY	R O 1	GORDONVILLE	17529	PA
23-36-DD57	RDY H & RUTH H BOOK	R D 1	RDNKS	17572	PA
23-36-0058	ROBERT L WEAVER	R O 1	STRASBURG	17579	PA
23-36-0059	J WADE GROFF	644 BEAVER VALY PI	LANCASTER	17602	PA
23-36-DD61	J EBY HERSHEY	R D 1	GORDONVILLE	17529	PA
23-36-0062	MELVIN R STOLTZFUS	R D 1	RDNKS	17572	PA
23-36-DD65	RED RDSE RES CENTER	226 PITNEY ROAD	LANCASTER	17601	PA
23-36-DD67	JOHN E KREIOER	523 WILLOW ROAD	LANCASTER	17601	PA
23-36-DD77	ALLEN K RISSE	R D 1	LEOLA	17540	PA
23-36-0079	ODNALD S EBY	R F D 1	GORDONVILLE	17529	PA
23-36-0099	DANIEL E TRIMBLE	R O 1	QUARRYVILLE	17566	PA
23-36-0101	JESSE CUTLER	R D 1	ORUMDRE	17518	PA
23-36-0106	CHARLES TINDALL	R D 1	PEACH BOTTOM	17563	PA
23-36-0107	CEDAR FRINGED FARM	R D 1	PEACH BOTTOM	17563	PA
23-36-D108	JAMES R WOOD & SON	R O 2	NOTTINGHAM	19362	PA
23-36-0110	HARRY G KREIDER	R D 1	QUARRYVILLE	17566	PA
23-36-0113	ROBERT W ULRICH & SDN	R D 1	QUARRYVILLE	17566	PA
23-36-0115	JAMES G KREIDER	R D 1	QUARRYVILLE	17566	PA
23-36-0120	HESS & FISHER	R D 1	MT JOY	17552	PA
23-36-D121	PAUL N BRUBAKER	R F D 1	MT JOY	17552	PA
23-36-0128	HARRY S AUNGST	R F D 1	MARIETTA	17547	PA
23-36-0129	HIRAM S AUNGST	R F D 1	ELIZABETHTOWN	17022	PA
23-36-0130	J RICHARD GARBER	R O 1	ELIZABETHTOWN	17022	PA
23-36-0139	ERNEST J SAUDER	R F O 1	LANCASTER	17601	PA
23-36-0145	HENRY E KETTERING	R D 3	LITITZ	17543	PA
23-36-0146	ELAM P BOLLINGER	R O 1	MANHEIM	17545	PA
23-36-D156	ISAAC M BRUBAKER	R O 2	LITITZ	17543	PA
23-36-0174	R F & L A WITMER	R F O 1	WILLOW STREET	17584	PA
23-36-0176	CLARENCE H HARNISH	2105 PEQUEA LANE	LANCASTER	17602	PA
23-36-0177	ELVIN HESS JR	R F O 1	STRASBURG	17579	PA
23-36-0181	JOHN H THOMAS JR	R F O 1	MILLERSVILLE	17551	PA
23-36-0187	NELSON H HERSHEY	R D 2	CDLUMBIA	17512	PA
23-36-0211	IVAN S STDLTZFUS	R D 1	HONEY BROOK	19344	PA
23-36-0234	CALVIN D BEILER	R O 1	PARADISE	17562	PA
23-36-D236	MELVIN L BEILER	R O 1	GORDONVILLE	17529	PA
23-36-0241	OWIGHT O HOOVER	R O 2 BOX 264A	GAP	17527	PA
23-36-0250	ELLIS D KREIOER	R O 2	QUARRYVILLE	17566	PA
23-36-0252	BRINTON & EAGER	CIRCLE DRIVE	QUARRYVILLE	17566	PA
23-36-0259	ROBERT & RICHARD LANDIS	2306 HORSSEHDE ROA	LANCASTER	17601	PA
23-36-0272	WILLIS M GROFF	R F O 1	NEW PROVIOENCE	17560	PA
23-36-0289	ELAM W MULL	R D 1	QUARRYVILLE	17566	PA
23-36-0308	AMOS M STDLTZFUS	R O 2	ELVERSON	19520	PA
23-36-0310	AARON B WEAVER	R O 1	NARVON	17555	PA
23-36-0313	ROBERT C GROFF	R O 3	QUARRYVILLE	17566	PA
23-36-0316	RAYMONO M HOOVER	R 1	GAP	17527	PA
23-36-0318	DALE E Hiestano	R D 1	BAINBRIAGE	17502	PA
23-36-0321	IRWIN W ENGLE	R D 1	MARIETTA	17547	PA
23-36-0325	J C POWNALL EST	R O 2	QUARRYVILLE	17566	PA
23-36-0326	EDWIN J LANDIS	1406 LAMPETER ROAD	LANCASTER	17602	PA
23-36-0327	JOHN & ELAM RUTT	R D 1	EPHRATA	17522	PA
23-36-0332	DANIEL L MARTIN	R 1	MANHEIM	17545	PA
23-36-0336	J SCOTT WOLFF	R O 1	QUARRYVILLE	17566	PA
23-36-0346	JAY E LANOIS	ROUTE 6	LANCASTER	17603	PA
23-36-0347	ALBERT E FRY	ROUTE 2	MANHEIM	17545	PA
23-36-0352	JOHN N LANOIS	1804 HEMPSTEAD ROA	LANCASTER	17601	PA
23-36-0353	IVAN ZIMMERMAN	R O 1	EAST EARL	17519	PA
23-36-0376	KENNETH A SKILES	R O 2	NARVDN	17555	PA
23-36-0378	GALEN W CROUSE	R D 1	STEVENS	17578	PA
23-36-0386	J FLOYD KREIOER	R F D 2	MT JOY	17552	PA
23-36-0388	WILBUR N ERB	R O 1	MT JOY	17552	PA
23-36-0392	G P H & ELMER FISHER	R O 2	QUARRYVILLE	17566	PA
23-36-0408	JOHN M HARNISH	1036 BEAVER VALLEY	LANCASTER	17602	PA
23-36-0411	H RICHARD HERSHEY	304 NEWPORT ROAD	LITITZ	17543	PA
23-36-0413	MAHLON M FRY	R F O 1	ELIZABETHTOWN	17022	PA
23-36-0417	CURTIS E AKERS	R O 1	QUARRYVILLE	17566	PA
23-36-0421	N GERHART & L W NOLT	R O 2	MT JOY	17552	PA
23-36-0424	ARTHUR O WENGER	R O 2	MANHEIM	17545	PA
23-36-0425	JESSE G BALMER	R O 4	LITITZ	17543	PA
23-36-0427	HERB & RHELOA ROYER	2025 OREGON PIKE	LANCASTER	17601	PA
23-36-0428	EDWIN K WISE	R D 1	EPHRATA	17522	PA
23-36-0436	SAM & ALLEN KREIOER	R F D 1	QUARRYVILLE	17566	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-36-0440	ERVIN DE LONG & SON	R D 1	QUARRYVILLE	17566	PA
23-36-0443	LLOYD WOLF	R D 2	QUARRYVILLE	17566	PA
23-36-0448	EARL L HERSHEY	R D 2	QUARRYVILLE	17566	PA
23-36-0449	ROBERT B MC SPARRAN	R F D 2	PEACH BOTTOM	17563	PA
23-36-0451	DAVID S HUBER	R F D 2	PEACH BOTTOM	17563	PA
23-36-0454	BURTON Y STAMAN	P O B X 63	COLUMBIA	17512	PA
23-36-0455	WALTER E MOWRER	R D 1	COLUMBIA	17512	PA
23-36-0458	CLYDE M BUCHEN	ROUTE 3	MANHEIM	17545	PA
23-36-0463	KREISLE & LEHMAN	R D 3	QUARRYVILLE	17566	PA
23-36-0469	JONAS S NOLT	R D 2	PEACH BOTTOM	17563	PA
23-36-0471	MERVIN M WEAVER	R D 2	NEW HOLLAND	17557	PA
23-36-0474	JOHN OMAR STOLTZFUS	R D 2 BOX 177	HONEY BROOK	19344	PA
23-36-0478	J MOWERY FREY JR	401 BEAVER VALLEY	LANCASTER	17602	PA
23-36-0489	JEROME H RHODS	R D 1	KIRKWOOD	17536	PA
23-36-0497	PAUL B ZIMMERMAN	R D 1	EPHRATA	17522	PA
23-36-0498	MELVIN G STOLTZFUS	R D 1	ELVERSON	19520	PA
23-36-0524	ROMELLA FARMS	R D 1	STRASBURG	17579	PA
23-36-0525	JOHN C GROFF	R F D 2	QUARRYVILLE	17566	PA
23-36-0531	SAMUEL M AUGSBURGER	R D 1	NEW HOLLAND	17557	PA
23-36-0536	CLYDE W MARTIN	R D 1	EAST EARL	17519	PA
23-36-0541	DONALD L HERSHEY	ROUTE 2	MANHEIM	17545	PA
23-36-0557	AARON K STOLTZFUS	R D 1	HONEY BROOK	19344	PA
23-36-0559	C WITMER SHERER	ROUTE 4	MANHEIM	17545	PA
23-36-0564	CONEWAGO VIEW FARMS	R D 2	PALMYRA	17078	PA
23-36-0566	EARL E MARTIN	R D 1	EPHRATA	17522	PA
23-36-0570	MELVIN H RANCK	R D 2	HOLTWOOD	17532	PA
23-36-0579	CLAIR M HERSHEY	R D 1	NOTTINGHAM	19362	PA
23-36-0582	ELMER S STOLTZFUS	R D 1	ELVERSON	19520	PA
23-36-0585	JONATHAN S LANTZ	R D 1 BOX 214	GORDONVILLE	17529	PA
23-36-0586	JOHN S GROFF	R R 1	MT JOY	17552	PA
23-36-0587	HARRY H RANCK JR	R D 1	RONKS	17572	PA
23-36-0594	HAROLD & ANNA ENGEL	R D 1	ATGLEN	19310	PA
23-36-0596	KREIDER & KAUFFMAN	3 R L KAUFFMAN JR	PEACH BOTTOM	17563	PA
23-36-0599	ROBERT F & JOAN B BOOK	11 SOUTH HERSHEY A	LEOLA	17540	PA
23-36-0603	FURRY H FREY	1343 GYPSY HILL RD	LANCASTER	17602	PA
23-36-0604	HARRY ZIMMERMAN JR	R D 1	EAST EARL	17519	PA
23-36-0605	MASONIC HOMES FARMS	DAIRY DEPARTMENT	ELIZABETHTOWN	17022	PA
23-36-0607	A WILMER ESBENSHADE	R D 2	WILLOW STREET	17584	PA
23-36-0611	DAN S STOLTZFUS	R D 1	MT JOY	17552	PA
23-36-0612	SAMUEL M MARTIN JR	R D 1	GAP	17527	PA
23-36-0614	WILLIAM J AARON	R D 1	QUARRYVILLE	17566	PA
23-36-0618	JAMES F MYER	R D 2	LITITZ	17543	PA
23-36-0622	LEROY S SMUCKER	R F D 1	NEW HOLLAND	17557	PA
23-36-0625	MARTIN H GOOD	R D 1	EAST EARL	17519	PA
23-36-0627	AMOS B LAPP	R F D 1	GORDONVILLE	17529	PA
23-36-0629	KENNETH B GARBER	R D 2	WILLOW STREET	17584	PA
23-36-0631	ROBT & JOYCE WAGNER	R D 2	QUARRYVILLE	17566	PA
23-36-0644	C ROBERT GREIDER	R D 2	COLUMBIA	17512	PA
23-36-0646	K D & ELSE LINDE	R D 1	OXFORD	19363	PA
23-36-0653	LESTER M WEAVER	R D 1	QUARRYVILLE	17566	PA
23-36-0657	DAVID W SWEIGART	ROUTE 3 BOX 321	ELIZABETHTOWN	17022	PA
23-36-0663	JACOB K LANTZ	R D 1	HONEYBROOK	19344	PA
23-36-0666	J Z NOLT	R D 1	LEOLA	17540	PA
23-36-0670	JOHN J LANDIS	2648 CREEK HILL RD	LANCASTER	17601	PA
23-36-0673	IVAN Z MARTIN	R D 4	LITITZ	17543	PA
23-36-0675	ROBERT M MYLIN	R D 2	WILLOW STREET	17584	PA
23-36-0676	LEROY K STOLTZFUS	R D 2	NARVON	17555	PA
23-36-0679	NATHAN E STOLTZFUS	R D 2 BOX 271	GAP	17527	PA
23-36-0684	LESTER M HAWTHORNE	R D 1	ELIZABETHTOWN	17022	PA
23-36-0685	ARTHUR P SWEIGART	R F D 1	MT JOY	17552	PA
23-36-0688	HARRY L TROOP	R D 1	COCHRANVILLE	19330	PA
23-36-0693	J CLAYTON CHARLES	R D 2	LANCASTER	17603	PA
23-36-0696	C J STOLTZFUS	BOX 67 STAR ROUTE	REBERSBURG	16872	PA
23-36-0702	J KENNETH HERSHEY	R D 1	KINZERS	17535	PA
23-36-0706	JA JEAN DAIRY FARM	ROUTE 1	MANHEIM	17545	PA
23-36-0709	KREIDER & SPAYD	R D 1	QUARRYVILLE	17566	PA
23-36-0712	SAMUEL S STOLTZFUS	R D 1 BOX 2DA	RONKS	17572	PA
23-36-0714	JOHN L LANDIS	1801 COLEBROOK RD	LANCASTER	17601	PA
23-36-0719	ROBERT T BOWMAN	2496 NEW HOLLAND P	LANCASTER	17601	PA
23-36-0721	JOHN K STOLTZFUS	R D 1	PARAOISE	17562	PA
23-36-0726	CHRISTIAN ZOOK	R D 2	GAP	17527	PA
23-36-0728	IVAN M HURSH	R D 1	EPHRATA	17522	PA
23-36-0731	WILLIAM P ARROWSMITH	R D 1	PEACH BOTTOM	17522	PA
23-36-0732	KENNETH E ZURIN	R D 2	MT JOY	17552	PA
23-36-0733	MARVIN S NOLT	R D 2	PEACH BOTTOM	17563	PA
23-36-0738	ALVIN K BOLLINGER	R D 4	LITITZ	17543	PA
23-36-0739	ROBT & THOMAS SMITH	R D 1	DRUMORE	17518	PA
23-36-0742	KENNETH L BIELER	R D 1	PARAOISE	17562	PA
23-36-0744	MOSES N GOOD	R D 1	MOUNT JOY	17552	PA
23-36-0749	AARON S LANTZ	R D 1	GORDONVILLE	17529	PA
23-36-0751	ELI W BRENNEMAN	R D 4	MANHEIM	17545	PA
23-36-0752	WEIDLER BROTHERS	R F D 2 BOX 244	PALMYRA	17078	PA
23-36-0754	WILLIS M MARTIN	R D 2	NOTTINGHAM	19362	PA
23-36-0759	M IRVIN EBERLY	R D 1	GAP	17527	PA
23-36-0763	SAMUEL K STOLTZFUS	R D 1	GORDONVILLE	17529	PA

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-36-0764	TITUS B STONER	3207 BOWMAN RO	LANOISVILLE	17538	PA
23-36-0766	JOHN J LAPP	R O 1	NEW HOLLAND	17557	PA
23-36-0770	IVAN BOWMAN JR	R O 1	RONKS	17572	PA
23-36-0771	SAMUEL F LONG	R O 1	CHRISTIANA	17509	PA
23-36-0775	V FERRY ROHRER	R O 2	COLUMBIA	17512	PA
23-36-0778	MELVIN L SHERTZER	R O 1 BOX 113	MILLERSVILLE	17551	PA
23-36-0780	CHRISTIAN K LAPP	R O 2	GAP	17527	PA
23-36-0782	AMOS & ELEANOR HERSHEY	R O 1	KINZERS	17535	PA
23-36-0783	OAVIO S LAPP	R O 1	GOROONVILLE	17529	PA
23-36-0785	CLAIR M HOLLINGER	R O 1 BOX 382	MT JOY	17552	PA
23-36-0788	H HOSTETTER & W EBY	R O 1	WASHINGTON 80RO	17582	PA
23-36-0794	S R SHELLENBERGER	R O 1 BOX 318	MOUNT JOY	17552	PA
23-36-0799	8 F & MARY ESHELMAN	R O 1 BOX 8410	MANHEIM	17545	PA
23-36-0802	J MOWERY FREY	1831 HANS HERR ORI	LANCASTER	17602	PA
23-36-0809	J ARTHUR ROHRER & SONS	R O 1	PARAOISE	17562	PA
23-36-0811	HENRY B LEAMAN	1891 WINOY HILL RO	LANCASTER	17602	PA
23-36-0812	OAVIO L LANOIS	1896 COLEBROOK ROA	LANCASTER	17601	PA
23-36-0813	JOHN M SMUCKER	R O 1 BOX 2B2	GAP	17527	PA
23-36-0814	JAMES A HESS	R O 2	QUARRYVILLE	17566	PA
23-36-0817	OAVIO 8 KING	1927 HORSESHOE RO	LANCASTER	17601	PA
23-36-0818	AMOS E KING JR	ROUTE 1 BOX 57	RONKS	17572	PA
23-36-0819	JAMES A NEWCOMER	R O 1 BOX 118	MT JOY	17552	PA
23-36-0823	JOHN T BYERS	R O 1	QUARRYVILLE	17566	PA
23-36-0824	ROY B STONER	R O 2	LITITZ	17543	PA
23-36-0826	JOHN ESH	R O 3 BOX 223	QUARRYVILLE	17566	PA
23-36-0828	JONAS E ZOOK	R O 3	QUARRYVILLE	17566	PA
23-36-0829	ALBERT BRENNEMAN	R O 2 BOX 376	MANHEIM	17545	PA
23-36-0831	JAMES O SHERTZER	151B MILLPORT ROAD	LANCASTER	17602	PA
23-36-0833	HARDLO G SHELLEY	R O 2 BOX 159	MANHEIM	17545	PA
23-36-0835	FRANK J YOST	R O 2	NARVON	17555	PA
23-36-0837	R EDWIN HARNISH	R O 1	CHRISTIANA	17509	PA
23-36-0839	LLOYD E MILLER	R O 3	ELIZABETHTOWN	17022	PA
23-36-0840	AARON S GLICK & SONS	R O 2	QUARRYVILLE	17566	PA
23-36-0841	J ROHRER WITMER	R O 2	WILLOW STREET	17584	PA
23-36-0842	J ROBERT HESS	R O 1	STRASBURG	17579	PA
23-36-0844	MAURICE F WELK	R O 2	QUARRYVILLE	17566	PA
23-36-0850	ALLEN LEE STOLTZFUS	R O 1	HONEYBROOK	19344	PA
23-36-0881	CARL G TROOP	R O 3	QUARRYVILLE	19366	PA
23-36-0882	KREIDER & TRIMBLE	R O 2	PEACH BOTTOM	17563	PA
23-36-0886	J ROBERT KINOIG	R O 1	CONESTOGA	17516	PA
23-36-0887	H LANOIS WEAVER	R O 2	QUARRYVILLE	17566	PA
23-36-0901	EMANUEL S SMUCKER	R O 1 BOX 307	GAP	17527	PA
23-36-0908	ARLENE S LONGENECKER	R O 1	OXFORD	19363	PA
23-36-0909	SHERTZER & MARTIN	8X 3B2 LONG LANE R	R O 6 LANCASTER	17603	PA
23-36-6403	SHOEMAKER BROS FM 1	R O 1	KIRKWOOD	17536	PA
23-37-0010	JOHN R CLARK	R O 7 BOX 37	NEW CASTLE	16102	PA
23-37-0012	DALE E CURRIE	R O 6 BOX 338	NEW CASTLE	16101	PA
23-37-0031	HARRIS A MC CLELLAND	R O 7 BOX 89	NEW CASTLE	16102	PA
23-37-0064	M & HAROLD WILSON	R O 2	PORTERSVILLE	16051	PA
23-37-0066	SUMMERFIELD DAIRIES	R O 2	NEW CASTLE	16101	PA
23-37-0072	CLARKS DAIRY FARM	R O 1	ENON VALLEY	16120	PA
23-37-0074	WENOELL DEAN	R O 6 BOX 45	NEW CASTLE	16102	PA
23-37-0077	C RONALD MITCHELTREE	121 LAKEWOOD ROAD	NEW CASTLE	16101	PA
23-37-0080	S WELLS MC CREAOY	R O 1 BOX 20	NEW GALILEE	16141	PA
23-37-0084	J W FERRIS	R O 2	NEW WILMINGTON	16142	PA
23-38-0001	JACOB M SMITH & SDN	R O 1	ANNVILLE	17003	PA
23-38-0005	KENNETH I SELLERS	R O 4	LEBANON	17042	PA
23-38-0014	HARDLO G BOLLINGER	R O 1	NEWMANSTOWN	17073	PA
23-38-0017	HUBERT S MILLER	R O 2	MYERSTOWN	17067	PA
23-38-0029	RALPH E SELLERS	R O 4	LEBANON	17042	PA
23-38-0030	M H & E E HDUSER	R O 5	LEBANON	17042	PA
23-38-0035	CLAIR H GERBERICH	R O 1	JONESTOWN	17038	PA
23-38-0036	FRANK E OUBBS	R O 1	JONESTOWN	17038	PA
23-38-0039	ALFREO R BRANOT	R O 2	LEBANON	17042	PA
23-38-0045	MARLIN HITZ	R O 1	ANNVILLE	17003	PA
23-38-0053	HARVEY T BOMGARONER	R O 1	ANNVILLE	17003	PA
23-38-0111	JOHN R FORTNA	R O 3	LEBANON	17042	PA
23-38-0117	MAURICE M BENNETT	R O 1	NEWMANSTOWN	17073	PA
23-38-0126	ERNEST WAGNER	RURAL ROUTE 1	ANNVILLE	17003	PA
23-38-0129	NED LAYSER & SDN	R O 1	JONESTOWN	17038	PA
23-38-0139	JOHN H STICK	R O 2	LEBANON	17042	PA
23-38-0141	RALPH O SHIRK & SDNS	R O 1	FREDERICKSBURG	17026	PA
23-38-0157	BENNETT BROS	R O 2	MYERSTOWN	17067	PA
23-38-0161	LUKE I PATCHES	R O 1	LEBANON	17042	PA
23-38-0165	IRVIN H KREIDER	R O 2 BOX 29	PALMYRA	17078	PA
23-38-0170	CARL & BEN HARTMAN	R O 2	MYERSTOWN	17067	PA
23-38-0173	GLENN A SONNEN	R O 1	RICHLAND	17087	PA
23-38-0174	ALVIN M WEAVER	R O 3	LEBANON	17042	PA
23-38-0187	HARDLO WAMPEER & SDN	R O 4	LEBANON	17042	PA
23-38-0196	ELMER ROHRER	R O 1	LEBANON	17042	PA
23-38-0201	EDWIN E FUNCK	R O 1	JONESTOWN	17038	PA
23-38-0206	RAY R SATTAZAHN	R O 2	LEBANON	17042	PA
23-38-0208	ABRAM T LEFEVER	R O 1	JONESTOWN	17038	PA
23-38-0212	FRANK J HOKE	R O 1 BOX 93	ICKESBURG	17037	PA
23-38-0217	MARK H BOMBERGER & SON	R O 1	LEBANON	17042	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-38-0218	BARE BRDS DAIRY	R D 2	LEBANON	17042	PA
23-38-0224	MARK C PATCHES	201 FONDERWHITE RD	LEBANON	17042	PA
23-38-0229	ENOS N LEINBACH	R D 2	MYERSTOWN	17067	PA
23-38-0241	DSCAR VAN LIEU	R D 2	LEBANON	17042	PA
23-38-0242	MYRON A KING	R D 1	LEBANON	17042	PA
23-38-0244	RAYMOND A SEIDEL	80X 421	RICHLAND	17087	PA
23-38-0246	CLIFFORD GROFF	R 1	LEBANON	17042	PA
23-38-0247	DANIEL B SHIRK	R D 1	NEWMANSTOWN	17073	PA
23-38-0248	LERDY G BLOUCH	R D 1	JONESTOWN	17038	PA
23-38-0249	JOHN O 8DMGARONER	80X 39	DNO	17077	PA
23-38-0251	WESLEY H QUIGLEY JR	R D 3	LEBANON	17042	PA
23-38-0252	NORMAN KLINE	R D 2	MYERSTOWN	17067	PA
23-38-0253	LUKE L SCHDENER		STOUCHSBURG	19558	PA
23-38-0254	ARNOLD ACRES	R D 2	LEBANON	17042	PA
23-38-0256	VETAMERE FARM	1030 S FIFTH AVE	LEBANON	17042	PA
23-39-0015	ALLENTOWN ST HOSP FM	J KILGORE RD3 BOX	NORTHAMPTON	18067	PA
23-39-0019	URMY BRDS	R D 1	COOPERSBURG	18036	PA
23-39-0029	HUBERT SELL	R D 1	SCHNECKSVILLE	18078	PA
23-39-0032	WILLARD HAMM	R D 1	NEW TRIPOLI	18066	PA
23-39-0036	LLOYD LICHTENWALNER	R D 1	CENTER VALLEY	18034	PA
23-39-0065	PAUL SEMMEL	R D 1	SCHNECKSVILLE	18078	PA
23-39-0105	RUSSELL K DIETRICH	R D 1	NEW TRIPOLI	18066	PA
23-39-0106	RALPH DIETRICH	R D 1	NEW TRIPOLI	18066	PA
23-39-0107	KIDD BRDS	R D 1	MACUNGIE	18062	PA
23-39-0113	ROBERT R GEHMAN	R D 2	COOPERSBURG	18036	PA
23-40-0022	STERLING FARM		HARVEYS LAKE	18618	PA
23-40-0045	MISTY VALLEY DA FARM	R D 2	SHICKSHINNY	18655	PA
23-40-0052	PECORA BRDS DAIRY MF	R D 1	DRUMS	18222	PA
23-40-0054	FRED SHULTZ	R D 1	BERWICK	18603	PA
23-40-0072	LAKE LOUISE FARM	R D 3	DALLAS	18612	PA
23-40-0100	EDWARD BUDA	R D 1	SWEET VALLEY	18656	PA
23-40-0103	E BEISHLIN & SON	R D 1	BENTON	17814	PA
23-40-0115	W E & W L OANGLER	R D 1	STILLWATER	17878	PA
23-40-0126	STATE CORR INDUSTRIES		DALLAS	18612	PA
23-40-0135	R S GREGORY & SONS	R D 2	DALLAS	18612	PA
23-40-0138	WENDELL CONKLIN	R D 2	WAPWALLOPEN	18660	PA
23-40-0142	LAKE LOUISE FARMS	R D 3	DALLAS	18612	PA
23-40-0143	GEORGE SNYDER		ST JOHNS	18247	PA
23-41-0009	ARGYLE BRICKLEY	R D 2 BOX 292	JERSEY SHORE	17740	PA
23-41-0021	CLIFTON J FRY	R D 2	MUNCY	17756	PA
23-41-0029	MRS VIC HENSLEY & SON	R D 1	LINDEN	17744	PA
23-41-0044	LUNGER BROTHERS	STAR ROUTE	LAIRSVILLE	17742	PA
23-41-0046	HARRIS METZGER	R D 2	COGAN STATION	17728	PA
23-41-0047	EUGENE MUTCHLER	R D 2	COGAN STATION	17728	PA
23-41-0050	J NICHOLSON & SONS	R D 2	MUNCY	17756	PA
23-41-0065	RICHARD O SHAFFER	R D 1	JERSEY SHORE	17740	PA
23-41-0070	ROY SCHULTZ	R D 4	MUNCY	17756	PA
23-41-0072	ALBERT SNYDER	R D 4	MUNCY	17756	PA
23-41-0073	ODON L SNYDER	LOYALMEADE FARMS I	MONTOURSVILLE	17754	PA
23-41-0074	JESSE SNYDER	R D 2	COGAN STATION	17728	PA
23-41-0095	J DAVID JARRETT	R D 1	LINDEN	17744	PA
23-41-0106	ROBERT VONEIGA	R D 3	MUNCY	17756	PA
23-41-0120	LESTER M PDUST	R D 4	MUNCY	17756	PA
23-41-0144	R SAMUEL PAULING	R D 2	MUNCY	17756	PA
23-41-0145	WILBUR HEPBURN	R D 3	MONTOURSVILLE	17754	PA
23-41-0178	RICHARD BARTO	R D 1	MONTGOMERY	17752	PA
23-41-0182	STANLEY WARM	R D 4	MUNCY	17756	PA
23-41-0192	WYNO FARMS INC	R D 2	MUNCY	17756	PA
23-41-0193	HENRY L STEPPE & SONS		NISBET	17759	PA
23-41-0199	JOHN T RITTER	R D 1	MUNCY	17756	PA
23-41-0200	RUSSEL A BERGER	R D 4	MUNCY	17756	PA
23-42-0014	COMES DAIRY		SMETHPORT	16749	PA
23-42-0026	CHARLES IRONS		SMETHPORT	16749	PA
23-42-0051	DONALD MICHELITSCH	R D	PORT ALLEGANY	16743	PA
23-42-0113	G L CARLSON INC NO 1	R F D 1	TURTLEPOINT	16750	PA
23-42-0116	G L CARLSON INC NO 4	R D 1	TURTLEPOINT	16750	PA
23-42-0119	JOHN H LAPP	R D 2	PORT ALLEGANY	16743	PA
23-43-0005	WILLAMAN JERSEY FARM	R F D 1	TRANSFER	16154	PA
23-43-0008	G RICHARD MOOSE	R F D 2	NEW WILMINGTON	16142	PA
23-43-0011	DAVID J WOODS	R D 1	TRANSFER	16154	PA
23-43-0022	HAROLD CANNON	4816 LAMOR RD	SHARON	16146	PA
23-43-0025	LEROY CAMPBELL	R D 4	GROVE CITY	16127	PA
23-43-0046	ARTHUR BAXTER	R D 1	STONEBORO	16153	PA
23-43-0123	ROBERT S MOOSE	R F D 2	NEW WILMINGTON	16142	PA
23-43-0159	W F WHITE	R D 1 BOX 135	GROVE CITY	16127	PA
23-43-0177	DEWAYNE COULTER	R D 4	GROVE CITY	16127	PA
23-43-0210	JOHN K PAXTON	R D 1	GROVE CITY	16127	PA
23-43-0213	MARSHIE CHESS	R D 1	FREDONIA	16124	PA
23-43-0227	PAUL N AIKEN	R D 2	WEST MIDDLESEX	16159	PA
23-44-0003	PEACHEE FARMS	R D 2	BELLEVILLE	17004	PA
23-44-0004	IRVIN H FLEMING	R D	BELLEVILLE	17004	PA
23-44-0014	DAVID R YODER	STAR ROUTE	BELLEVILLE	17004	PA
23-44-0020	MOSES J ZOOK	R D 1	BELLEVILLE	17004	PA
23-44-0024	JOHN S ZOOK	R D	BELLEVILLE	17004	PA
23-44-0025	MARK R YODER	R D	BELLEVILLE	17004	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-44-0026	PERCY S YOOER	R 0	BELLEVILLE	17004	PA
23-44-0030	G C RICE	R F 0 1	REEOSVILLE	17084	PA
23-44-0034	JONAS B KAUFFMAN JR	% 0 SUNOERLANO R 0	LEWISTOWN	17044	PA
23-44-0036	FRANK G GLICK	R 0 3 BOX 286	LEWISTOWN	17044	PA
23-44-0052	CARL E OONAHEY & SON	R 0 2	MC VEYTOWN	17051	PA
23-44-0059	KORE J PEACHEY	R 0 1	MILROY	17063	PA
23-44-0061	JAMES H ALLISON	R 0	BELLEVILLE	17004	PA
23-44-0064	JESSE W BYLER	R 0	BELLEVILLE	17004	PA
23-44-0068	A HERBERT KING	STAR ROUTE	MILL CREEK	17060	PA
23-44-0073	JAMES O REEO	R F 0 1	REEOSVILLE	17084	PA
23-44-0085	KENNETH J LOHT	R 0 2	MC CLURE	17841	PA
23-44-0086	JOHN R ROOGERS	R 0 1	BELLEVILLE	17004	PA
23-44-0099	STEPHAN KAUFFMAN SON	R 0 1	REEOSVILLE	17084	PA
23-44-0103	R S & W H BRAOFORO	R 0 1 80X 224	LEWISTOWN	17044	PA
23-44-0104	JOHN P BRAOFORO	R 0 1 80X 205	LEWISTOWN	17044	PA
23-44-0111	OAVIO R SPICHER	R 0	BELLEVILLE	17004	PA
23-44-0122	FREO C MYERS	R F 0 1	LEWISTOWN	17044	PA
23-44-0132	MAXWELL HOOK	2100 RT 522 NORTH	LEWISTOWN	17044	PA
23-44-0137	ROBERT AMMON	R 0 4	LEWISTOWN	17044	PA
23-44-0138	GLEN E KING	R F 0 1	BELLEVILLE	17004	PA
23-44-0139	JOHN M BYLER	R F 0 BOX 397	BELLEVILLE	17004	PA
23-44-0145	MALTA HOME FARM	R F 0 1 80X 172C	GRANVILLE	17029	PA
23-44-0161	JOHN A PEACHEY	STAR ROUTE	MILLCREEK	17060	PA
23-44-0162	JOSHUA O YOOER	R 0 1 80X 396	BELLEVILLE	17004	PA
23-44-0168	MIFFLIN COUNTY HOME	399 GREEN AVENUE	LEWISTOWN	17044	PA
23-44-0174	OONALO A FRENCH	R 0 1	MC VEYTOWN	17051	PA
23-44-0176	ENOS J YOOER	R 0	BELLEVILLE	17004	PA
23-44-0177	JAMES L HOSTETTER	R 0 2	MC VEYTOWN	17051	PA
23-44-0180	GALEN M KENEPP		MATTAWANA	17054	PA
23-44-0194	MARLIN W PEACHEY	R 0 1	BELLEVILLE	17004	PA
23-44-0204	L MARLIN YOOER	R 0 1 80X 402	BELLEVILLE	17004	PA
23-44-0205	KORE E YOOER	R 0 1 BOX 406	BELLEVILLE	17004	PA
23-44-0206	JOSEPH I PEACHEY JR	R 0 1 BOX 382	BELLEVILLE	17004	PA
23-44-0207	A OALE KANAGY	R 0 1	REEOSVILLE	17084	PA
23-45-0012	OONALO MEITZLER		KRESGEVILLE	18333	PA
23-46-0102	MAYNARO ROTHENBERGER	R 0 2 MERRYMEAO FA	LANSOALE	19446	PA
23-46-0105	OAVIO W MC CLURE	SUNBEAM FARMS	LANSOALE R 0 2	19446	PA
23-46-0112	RICHARD R KRIEBEL	R 0 1	LANSOALE	19446	PA
23-46-0113	ABRAM Z RITTENHOUSE	R 0 1	LANSOALE	19446	PA
23-46-0117	CHESTER M MYERS	R 0 1	SOUOERTON	18964	PA
23-46-0119	J ARTHUR MOYER	13 ALLENTOWN RO	SOUOERTON	18964	PA
23-46-0126	GRATER BROS	MIXED MAPLES FARM	SCHWENKSVILLE R01	19473	PA
23-46-0127	ROBERT A GREASER	715 FORTY FOOT ROA	HATFIELD	19440	PA
23-46-0207	KRIEBEL BROS	R 0 2 WEBER RO	LANSOALE	19446	PA
23-46-0216	HIGHVIEW FARM	79 REEO ROAD	ROYERSFORD	19468	PA
23-46-0220	GEORGE STERNER	R 0 1	BECHTELSSVILLE	19505	PA
23-46-0222	CORRECTIONAL INOUST	BOX 244	GRATERFORD	19426	PA
23-46-0228	WALEBE FARMS	R 0 2	COLLEGEVILLE	19426	PA
23-46-0232	MERRILL MEST		OBELISK	19492	PA
23-46-0233	ELMER RENNINGER	2NO AVE BOX BB2	ROYERSFORD	19468	PA
23-46-0238	CHARLES RHOADS		OBELISK	19492	PA
23-46-0243	PERKOMEN R A BUYERS	130B OEKAL8 ST	NORRISTOWN	19401	PA
23-46-0244	MARK A SLATER	R 0 1	PERKIOMENVILLE	18074	PA
23-46-0303	NORRISTOWN STATE HOS	% OAIRY FARM	NORRISTOWN	19401	PA
23-46-0323	CURTIS N KRATZ	192 ALLENTOWN ROAD	SOUOERTON	18964	PA
23-46-0324	ROBERT L FREEO SR	BOX 106 880 MILL R	VERNFIELD	18973	PA
23-46-0333	OANIEL L SMITH & SON	R 0 1	GILBERTSVILLE	19525	PA
23-46-0346	LAR ANN FARM	269HARLEYSVILLE PI	HARLEYSVILLE	19438	PA
23-46-0347	MERRILL G RUTH	R 0 1	TELFORE	18969	PA
23-46-0404	FREO & WILBUR SEIPT	R 0 1	LANSOALE	19446	PA
23-46-0408	CLAUD E BIELER	R 0 1	EAST GREENVILLE	18041	PA
23-46-0410	KENNETH P SCHULTZ	OLD KUTZTOWN RO	EAST GREENVILLE	18041	PA
23-46-0411	RICHARD GERHARD	R 0	BALLY	19503	PA
23-46-0417	RALPH SCHULTZ		HEREFORD	18056	PA
23-46-0448	LEEMON E GAUGLER	R 0 1	EAST GREENVILLE	18041	PA
23-46-0449	PAUL M LONGACRE SONS		HEREFORD	18056	PA
23-46-0503	IRWIN L ZIEGLER	151 INOIAN CREEK R	HARLEYSVILLE	19438	PA
23-46-0512	CURTIS F NICE	631 MOYER ROAD	TELFORE	18969	PA
23-47-0025	CLARENCE MESSERSMITH	R 0 1	OANVILLE	17821	PA
23-47-0054	REUBEN O MYERS	R 0 2	MILTON	17847	PA
23-47-0072	LUNOY BROTHERS	R 0 2	OANVILLE	17821	PA
23-47-0073	EDWARD & SHIRLEY KER	R 0 5	OANVILLE	17821	PA
23-47-0081	MAR-JA FARM	R 0 2	MILTON	17847	PA
23-48-0025	FULMER BROS	R 0 3	NAZARETH	18064	PA
23-48-0027	WILSON & OALE GUM	R 0 1	PEN ARGYL	18072	PA
23-48-0028	HERMAN HATESAUL	R 0 1	PEN ARGYL	18072	PA
23-48-0031	KEYSTONE FARM	R 0 4	EASTON	18042	PA
23-48-0036	HOWARD & LARRY MCEWEN	R 0 2	BANGOR	18013	PA
23-48-0037	BACH ECHO FARM	R 4	EASTON	18042	PA
23-48-0038	R BERNARD MERWARTH	R 0 2	EASTON	18042	PA
23-48-0044	BUOD & STEVE OTT	R D 2	BANGOR	18013	PA
23-48-0048	LOUIS PEKTOR JR	R 1	HELLERTOWN	18055	PA
23-48-0057	SEIFERT BROS		SPRINGTOWN	18081	PA
23-48-0070	PAUL WEIOMAN	R D 2	BANGOR	18013	PA
23-48-0079	YOUNG BROS	R 4	EASTON	18042	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET DR ROUTE	TOWN	ZIP-CODE	STATE
23-48-0103	ADAM & ROBERT DURAN	R D 1	PEN ARGYL	18072	PA
23-48-0104	GORDON MANN	R D 2 BOX 221	NDRTHAMPTDN	18067	PA
23-48-0107	ERNEST M BACHMAN	R D 4	EASTON	18042	PA
23-48-0120	RICHARD W SMITH	R D 2 BOX 212	NORTHAMPTDN	18067	PA
23-48-0124	POND HOLLOW FARM	R D 2	BANGOR	18013	PA
23-48-0131	HAROLD FABIAN	374D TWP LINE ROAD	BETHLEHEM	18017	PA
23-48-6001	TWINGAP FARM	R D 1	MT BETHEL	18343	PA
23-49-0011	ALVIN & JERRY SMITH	R D 2	MILTON	17847	PA
23-49-0029	LEDN EPLER FARMS INC	R D 1	NDRTHUMBERLAND	17857	PA
23-49-0057	C PHILIP MOLTER	R D 6	DANVILLE	17821	PA
23-49-0066	LAWRENCE SHOWERS	R D 2	MILTON	17847	PA
23-49-0111	LEWIS FARMS	% LAWRENCE DUNN	R D 1 DANVILLE	17821	PA
23-49-0117	GEORGE SHOWERS & SON	R D 1	ALLENWDDO	17810	PA
23-50-0004	MILMAY FARM	R D 1	LOYSVILLE	17047	PA
23-50-0005	CARL E MC MILLEN	R D 1	LOYSVILLE	17047	PA
23-50-0006	RAY E MC MILLEN	R D	LOYSVILLE	17047	PA
23-50-0008	MARY E RICE		BLAIN	17006	PA
23-50-0011	JOHN REAPSDME		LOYSVILLE	17047	PA
23-50-0014	WILLIAM E MARTIN		LOYSVILLE	17047	PA
23-50-0016	MT HDME FARM	R D 1 BOX 23	ICKESBURG	17037	PA
23-50-0022	KARL E KENNEDY		ELL IOTSBURG	17024	PA
23-50-0027	HOWARD D BARKLEY	R D 1 BOX 234	NEWPORT	17074	PA
23-50-0031	J OWEN EBERSDLE	R D 1	DUNCANNON	17020	PA
23-50-0034	THOMAS DUM JR	R D 1	LANDISBURG	17040	PA
23-50-0043	FRANK RICE	R D 1	BLAIN	17006	PA
23-50-0044	MILLIGAN 8RDS		LOYSVILLE	17047	PA
23-50-0050	J TED TRDUTMAN	R D	MILLERSTOWN	17062	PA
23-50-0053	RAY L KLING	R F D 1	LOYSVILLE	17047	PA
23-50-0056	JOHN R GABEL	R D 1 BOX 218	NEWPORT	17074	PA
23-50-0062	JOHN E BOOK		BLAIN	17006	PA
23-50-0070	ELLSWORTH C MAXTON		ICKESBURG	17037	PA
23-50-0074	PORTER D HOSTETTER	R D 1	DUNCANNON	17020	PA
23-50-0078	L H CARNES	R D 1	DUNCANNON	17020	PA
23-50-0081	DELMAR BROFEE	R D 2	MILLERSTOWN	17062	PA
23-50-0082	CLAIR BENNER	R F D 2	MILLERSTOWN	17062	PA
23-50-0086	MRS RDY CAMPBELL SDN	R D 3 BOX 25	NEWPORT	17074	PA
23-50-0089	HAROLD E NIPPLE	R D 1	MILLERSTOWN	17062	PA
23-50-0090	LEROY HEIMBAUGH	R D 1	WILA	17074	PA
23-50-0093	CHARLES C BYERS	R D 1	MILLERSTOWN	17062	PA
23-50-0099	AGROPHILOS INC	R D 1	MILLERSTOWN	17062	PA
23-50-0103	FRANK J HOKE	R D 1 BOX 93	ICKESBURG	17037	PA
23-50-0311	J W & C L ACHENBACH	R D	MILLERSTOWN	17062	PA
23-50-0322	WAYNE L STEPHENS		NEWPORT	17074	PA
23-50-0324	CLYDE S GAULT	R D 1	DUNCANNON	17020	PA
23-50-0327	DAVID Z KENNEOY		NEWPORT	17074	PA
23-53-0002	NDRMAN K LEETE	R 4	COUDERSPORT	16915	PA
23-53-0004	FRANK N LENT	R F D 1	COUDERSPORT	16915	PA
23-53-0005	ARLING JUDD & SON	R F D 1	HARRISON VALLEY	16927	PA
23-53-0006	PAUL BUCK	R D 1	ULYSSES	16948	PA
23-53-0008	W H CURRIER	R 0	GENESEE	16923	PA
23-53-0013	EUGENE ERWAY	R F D 1	COUDERSPORT	16915	PA
23-53-0014	FLOYD LONG	R F D 1	COUDERSPORT	16915	PA
23-53-0015	GUY DUNN	R F D 1	COUDERSPORT	16915	PA
23-53-0019	STANLEY SALLADE	R F D 4	COUDERSPORT	16915	PA
23-53-0021	HOMER PREOMORE	R 0 3	COUDERSPORT	16915	PA
23-53-0023	IVAN KIBBE JR	R F D 1	HARRISON VALLEY	16927	PA
23-53-0024	JACK KNOWLTON	R 4	COUDERSPORT	16915	PA
23-53-0029	KENNETH L LAMBERT	R F D 1	ULYSSES	16948	PA
23-53-0032	L D PEPPERMAN	R D 2	COUDERSPORT	16915	PA
23-53-0048	LEWIS L LENT	R D 1	COUDERSPORT	16915	PA
23-53-0057	ALVIN B MILLER & SON	R 0	ULYSSES	16948	PA
23-53-0065	BARKER BROS		ULYSSES	16948	PA
23-53-0078	IVAN SMOKER & SONS	R 0	GENESEE	16923	PA
23-53-0080	RAYMOND E BUCK		ULYSSES	16948	PA
23-53-0082	ROBERT F GREENE JR	R 0 1	ROULETTE	16746	PA
23-53-0084	LEDNARO KENYON	R D 2	COUDERSPORT	16915	PA
23-53-0086	FRED A KNOWLTON	R 1	ROULETTE	16746	PA
23-53-0088	JOHN E GORDON	R 1	ROULETTE	16746	PA
23-53-0102	DANIEL NAUMAN	R D 1	ULYSSES	16948	PA
23-53-0104	MILFORD HOLBERT	R 0 1	GENESEE	16923	PA
23-53-0110	JOHN SEYMOUR	R 0 1	ROULETT	16746	PA
23-53-0113	HAROLD WRIGHT & SON	R D 4	COUDERSPORT	16915	PA
23-53-0121	JUDY W BREEDEN	R D 2	COUDERSPORT	16915	PA
23-53-0122	WILLIAM SILSBY	R D 2	GENESEE	16923	PA
23-53-0123	MAURICE SMITH	R D 1	ULYSSES	16948	PA
23-53-0129	ROBERT FRANCIS	BOX 262	ULYSSES	16948	PA
23-54-0003	WILLIAM R DAUBERT	R F D 2	PINE GROVE	17963	PA
23-54-0005	EMMETT W RHEIN	R F D 2	PINE GROVE	17963	PA
23-54-0016	JAMES GUERS	R D 1	TAMAQUA	18252	PA
23-54-0017	PIERCE LEIBY	R F D 1	TAMAQUA	18252	PA
23-54-0018	ALLEN LEIBY	R F D 1	TAMAQUA	18252	PA
23-54-0019	PAUL & KEN WAGNER	R D 1	TAMAQUA	18252	PA
23-54-0021	HEISLER BROS	R F D 1	TAMAQUA	18252	PA
23-54-0029	CARL HEISLER	R D 1	TAMAQUA	18252	PA
23-54-0032	W J BIEVER & SON	BIEVER FARMS R 1	SCHUYLKILL HAVEN	17972	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-54-0038	JERSEY ACRES FMS INC	R D 2	PINE GROVE	17963	PA
23-54-0039	MILLER & REX	R O 1	ANDREAS	18211	PA
23-54-0065	ELWOOD L ROTHERMEL	R D 1	KLINGERSTOWN	17941	PA
23-54-0081	PAUL HEISLER	R O 1	TAMAQUA	18252	PA
23-54-0096	CARL J SNYOER	R D 1	PITMAN	17964	PA
23-54-0098	WILBERT MOYER	R D 1	SCHUYLKILL HAVEN	17972	PA
23-54-0102	MARTIN L DAUBERT	R D 2	PINE GROVE	17963	PA
23-55-0001	C C FISHER	R D 1	SELINGSGROVE	17870	PA
23-55-0003	SELINGSGROVE ST SCH	80X 500	SELINGSGROVE	17870	PA
23-55-0004	MABARBIL FARMS	R O 3	MIDDLEBURG	17842	PA
23-55-0031	IRA L YOOER	R O 1	SELINGSGROVE	17870	PA
23-55-0032	WILBERT L FRY	R F O 1	WINFIELD	17899	PA
23-55-0035	HARRY F HASSINGER	R O 1	MIDDLEBURG	17842	PA
23-55-0044	RANDALL C REARICK	R F D 1	BEAVERTOWN	17813	PA
23-55-0047	LEIRE FRY & SONS	R O 2	MIDDLEBURG	17842	PA
23-55-0055	MRS RUTH HEIMBACH	ISLE OF QUE	SELINGSGROVE	17870	PA
23-55-0056	ALBERT W HEIMBACH	R O 2	SELINGSGROVE	17870	PA
23-55-0065	NORMAN W MOYER	R D 1	SELINGSGROVE	17870	PA
23-55-0067	GEORGE M SWIGART	R D 2	MC CLURE	17841	PA
23-55-0076	RICHARD G NERHOOD	R F O 1	BEAVERTOWN	17813	PA
23-55-0087	GLENN H BROWER	SOUTH HILLS	LEWISTOWN	17044	PA
23-55-0090	CLYDE K ALORFER	R D 1	MT PLEASANT MILLS	17053	PA
23-55-0094	HAROLD E SHAMBACH	ROUTE 1 80X 162	MIDDLEBURG	17842	PA
23-55-0095	RONALD R REICH	ROUTE 1	WINFIELD	17889	PA
23-55-0104	EARL E WALTER & SON	STAR ROUTE	BEAVER SPRINGS	17812	PA
23-55-0105	LEE & SANDRA SHAFFER	R D 2	SELINGSGROVE	17870	PA
23-55-0107	CHRISTIE YOOER	R D 2	SELINGSGROVE	17870	PA
23-55-0108	BARRY & LOUISE SHIREY	R O 1	MIDDLEBURG	17842	PA
23-55-0110	HERMAN F SMITH & SON	R D 2	MIDDLEBURG	17842	PA
23-55-0112	JOHN & MARGARET SHIREY	R O 1	BEAVERTOWN	17813	PA
23-55-0115	RUSSEL E THOMAS	R D 1	BEAVERTOWN	17813	PA
23-56-0005	LEON KNEPPER	R O 1	BERLIN	15530	PA
23-56-0008	CLAIR M REIMAN	R O 1	BERLIN	15530	PA
23-56-0012	EMERSON L KNEPPER	R D 1	BERLIN	15530	PA
23-56-0026	WILBERT M BRANT	R F O 1	FRIEDENS	15541	PA
23-56-0028	BAR VAL FARM INC	R D 2	ROSWELL	15531	PA
23-56-0036	JOSEPH JOHNS JR		DAVIDSVILLE	15928	PA
23-56-0042	JOHN O NAUGLE	R O 1	HOOVERSVILLE	15936	PA
23-56-0043	DAYTON J LOHR	R D 1	HOOVERSVILLE	15936	PA
23-56-0050	GLENN E JOHNSON	R D 2	ROCKWOOD	15557	PA
23-56-0056	SOMERSET STATE HOSP	P O 631	SOMERSET	15501	PA
23-56-0059	P B LATUCH	R O 1	ROCKWOOD	15557	PA
23-56-0081	ROBERT M BAUERMASTER	R D 1	BERLIN	15530	PA
23-56-0102	DONALD H WELCH	R O 1	FRIEDENS	15541	PA
23-56-0107	LLOYD LOHR	R O 1	STOYSTOWN	15563	PA
23-56-0118	WILLIAM H WEAVER	R O 1 80X 40D	WINOBER	15963	PA
23-56-0125	N EDWARD SUOER	R F O 1	BERLIN	15530	PA
23-56-0130	FRANK E LOWRY	R D 2	FRIEDENS	15541	PA
23-56-0134	CLARK A YODER	R O 1	SALISBURY	15558	PA
23-56-0136	WILLARD MAUST	R O 1	MEYERSDALE	15552	PA
23-56-0142	EVAN L MAUST	R D 1	SALISBURY	15558	PA
23-56-0145	CALVIN M WILL	R O 1	BERLIN	15530	PA
23-56-0157	J CHESTER LONG	R O 1	FRIEDENS	15541	PA
23-56-0161	J WILLIAM SHULTZ	R D 4	BERLIN	15530	PA
23-56-0164	GALEN E SHAFFER	R D 4	BERLIN	15530	PA
23-56-0171	JOHN EDW HAY	R D 2	BERLIN	15530	PA
23-56-0175	PAUL O COUNTRYMAN	R O 4	BERLIN	15530	PA
23-56-0177	BENOER BROS	R D 1	MEYERSDALE	15557	PA
23-56-0180	JAY L HILLEGASS	R F O 1	BERLIN	15530	PA
23-56-0186	MERLE COUGHENOUR	R O 1 80X 67	SALISBURY	15558	PA
23-56-0199	LEO M BEEGHLY	R O 1	SOMERSET	15501	PA
23-56-0200	ROBERT TAYLOR	R O 2	FRIEDENS	15541	PA
23-57-0020	RONALD HEMBURY	R D	QUOSHORE	18614	PA
23-57-0042	R LAVERNE MC CARTY	R O 1	FORKSVILLE	18616	PA
23-57-0081	MAYNARD & MILO REIBSON	R O 1	FORKSVILLE	18616	PA
23-58-0001	AGAWAM FARM	R O 2	SPRINGVILLE	18844	PA
23-58-0006	ELMER HOOVER	R O 1	SPRINGVILLE	18844	PA
23-58-0009	RAYMOND B STRICKLAND		NICHOLSON	18446	PA
23-58-0017	FLOYD CARLTON	R O 2	SPRINGVILLE	18844	PA
23-58-0040	WILLIAM BROOKS	R D 1	HOP BOTTOM	18824	PA
23-58-0045	WOODHOUSE FARM	R D 1	SPRINGVILLE	18844	PA
23-58-0046	CLARK B FULLER		OIMOCK	18816	PA
23-58-0053	LYN NAN FARM	R O 2	MONTROSE	18801	PA
23-58-0055	J W & W J GOFF	R D 3	MONTROSE	18801	PA
23-58-0064	ARCHIE BUSH	R O 1	MONTROSE	18801	PA
23-58-0074	MRS JOHN PETERSEN	R D 1	MONTROSE	18801	PA
23-58-0082	FRED MAJOR	R O 1	SUSQUEHANNA	18847	PA
23-58-0085	DAVID LONGACRE	R O 1	SUSQUEHANNA	18847	PA
23-58-0096	ELAM L SUMMERS	R D 1	SUSQUEHANNA	18847	PA
23-58-0100	KENNETH TEEL	R O 2	MESHOPPEN	18630	PA
23-58-0101	HAROLD ELY	R D 1	MONTROSE	18801	PA
23-58-0103	ALYNEOODY FARM		NEW MILFORD	18834	PA
23-58-0132	PAUL W WALWORTH	R O 1	NEW MILFORD	18834	PA
23-58-0155	RONALD NAYLOR		MESHOPPEN	18630	PA
23-58-0171	EOMUNO STOCKHOLM	R D 4	MONTROSE	18801	PA

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-58-0179	HALFORO K CRISMAN	BOX 147	SOUTH MONTROSE	18843	PA
23-58-0186	WALTER E BROOKS	R 0 1	SPRINGVILLE	18844	PA
23-58-0187	WILLIAM JONES & SON	R 0 1	FRIENOSVILLE	18818	PA
23-58-0190	MARK LONGACRE	R 0 1	SUSQUEHANNA	18847	PA
23-58-0197	BERNARD OAKES	R 0 5	MONTROSE	18801	PA
23-58-0204	MILLER PAGE	R 0 1	SUSQUEHANNA	18847	PA
23-58-0218	CLIFFORD TINKLEPAUGH	R 0 1	THOMPSON	18465	PA
23-58-0230	DOUGLAS HALL	STAR ROUTE	SUSQUEHANNA	18847	PA
23-58-0251	ARTHUR EMPET	R 0 1	KINGSLEY	18826	PA
23-58-0259	REXFORD JONES	R 0 1	UNIONDALE	18470	PA
23-58-0283	STEPHEN TELISCHAK	R 0 2	NICHOLSON	18446	PA
23-58-0300	EUGENE SPAONE	R F 0 2	NICHOLSON	18446	PA
23-58-0306	GUY WELLS	R 0 1	MONTROSE	18801	PA
23-58-0310	MARION SHOWALTER	R 0 2	MONTROSE	18801	PA
23-58-0318	CURLYOELL FARMS	R 0 5	MONTROSE	18801	PA
23-58-0325	FRANZ FEARNEY	R 0 2	MONTROSE	18801	PA
23-58-0335	EARL JONES	R 0 5	MONTROSE	18801	PA
23-58-0337	LENO QUICK		RUSHVILLE	18839	PA
23-58-0343	FRANCIS HIBBARO&SONS		OIMOCK	18816	PA
23-58-0359	BDYO STRICKLAND	R 0 2	NICHOLSON	18446	PA
23-58-0383	DAVIO S FRANKS	R 0 1	SPRINGVILLE	18844	PA
23-58-0384	WOODBOURNE FARM		OIMOCK	18816	PA
23-58-0385	WILL PONO FARM	R 0 2	NEW MILFORD	18834	PA
23-58-0451	CHESTER L CARPENTER	R 0 1	THOMPSON	18465	PA
23-58-0456	A O CLINK		SPRINGVILLE	18844	PA
23-58-0460	THOMAS R WILLIAMS	R 0 2	UNIONDALE	18470	PA
23-58-0464	RICHARD PLACE	R 0 1	LACEYVILLE	18623	PA
23-58-0470	WILLIAM GULICK JR	R 0 2	MESHOPPEN	18630	PA
23-58-0471	ROBERT WARRINER	R 0 2	SPRINGVILLE	18844	PA
23-58-0493	TEO-JAN FARMS	R 0 3	MESHOPPEN	18630	PA
23-58-0516	LOUEN HILL INC		OIMOCK	18816	PA
23-58-6010	MEAD VALLEY FARM 1	R 0 1	MONTROSE	18801	PA
23-59-0015	GDROON SCHANBACHER	BOX 73	LIBERTY	16930	PA
23-59-0016	GERALD PARKER	STAR ROUTE	LIBERTY	16930	PA
23-59-0032	GDROON BAITY	R F 0 1	COVINGTON	16917	PA
23-59-0036	ROSWELL DOUGHTY	R F 0 3	MANSFIELD	16933	PA
23-59-0038	DEAN BAITY	R F 0 1	COVINGTON	16917	PA
23-59-0049	BERNARD G COURTNEY	R F 0 1	MANSFIELD	16933	PA
23-59-0051	WILLIAM INSCHO	R 0 1	MANSFIELD	16933	PA
23-59-0054	VERNE W BOWEN	R 0 3	WELLSBORO	16901	PA
23-59-0055	CLARK BOWEN	R 0 3	WELLSBORO	16901	PA
23-59-0058	R W SAMPSON & SON	R D 1	CROOKED CREEK	16919	PA
23-59-0062	PAG O MAR FARM	R D 2	WELLSBORO	16901	PA
23-59-0065	LEWIS E PRICE	R 0 1	MANSFIELD	16933	PA
23-59-0067	TIDGA COUNTY FARM	R 0 3	WELLSBORO	16901	PA
23-59-0069	LEON ERWAY	R 0 1	WELLSBORO	16901	PA
23-59-0070	OUANE WILCOX	R 0 1	COVINGTON	16917	PA
23-59-0098	W K & O W LAWTON	R D 5 BDX 131	WELLSBORO	16901	PA
23-59-0146	C EDWARD WIANO	R 0 2	MANSFIELD	16933	PA
23-59-0151	MILTON SHERMAN	R 0 3	MANSFIELD	16933	PA
23-59-0159	CLARENCE BAKER	R 0	MIDDLEBURY CTR	16935	PA
23-59-0164	RONALD VAN VLIET	R 0 5	WELLSBORO	16901	PA
23-59-0173	WILBUR KERRICK	R 0 2	ROARING BRANCH	17765	PA
23-59-0180	BRADEY L BREWER		MILLERTON	16936	PA
23-59-0191	MILTON&KOEHL BUTLER	R 0 1	KNOXVILLE	16928	PA
23-59-0193	DAVIO WEAVER	R 0 1	ROARING BRANCH	17765	PA
23-59-0197	GLENN BOWEN	R D 3	WELLSBORO	16901	PA
23-59-0208	JOSEPH R WEST	BDX 54	MIDDLEBURY CENTER	16935	PA
23-59-0226	RICHARD CHAMBERLAIN	R F 0 3	MANSFIELD	16933	PA
23-59-0264	JOSEPH R SHERMAN	R 0 3	MANSFIELD	16933	PA
23-59-0265	CLINTON BAKER	R F 0 4	WELLSBORO	16901	PA
23-59-0266	JEROME H WEBSTER	R D 4	WELLSBORO	16901	PA
23-59-0267	ROBERT SHANLEY	R D 1	ROARING BRANCH	17765	PA
23-59-0272	ALFREDO SPARLING	R 0 3	MANSFIELD	16933	PA
23-59-0277	RAYMOND GIGEE	R 0 1	KNOXVILLE	16928	PA
23-59-0282	EDWIN GROOVER	R 0 2	CANTON	17724	PA
23-59-0288	CARDL LEE TEARS	R 0 2	MANSFIELD	16933	PA
23-59-0299	EMERSON TROWBRIDGE	R 0 1	KNOXVILLE	16928	PA
23-59-0300	VERNARD WATKINS	R D 1	LITTLE MARSH	16931	PA
23-59-0319	WAR-BERN FARM	R D 2	MANSFIELD	16933	PA
23-59-0345	MILES NEAL & SONS	R D 2	ROARING BRANCH	17765	PA
23-59-0347	BRENTON BAILEY	R 0 1	MAINESBURG	16932	PA
23-59-0354	G ROY ACKLEY	R 0 3	WESTFIELD	16950	PA
23-59-0379	HAROLD ROBSON	R 0 1	MAINESBURG	16932	PA
23-59-0381	RAYMOND O JONES & SON	R 0 2	TIDGA	16946	PA
23-59-0394	EDSON & WILFRED SMITH	R 0 1	LAWRENCEVILLE	16929	PA
23-59-0398	JOHN P BUSIA	R 0 1	MILLERTON	16936	PA
23-59-0400	RONALD WEST	R 0 1	MANSFIELD	16933	PA
23-59-0401	JAY N HEISEY	R 0 5	WELLSBORO	16901	PA
23-59-0402	WINSTON RUMSEY	BOX B4	MAINESBURG	16932	PA
23-59-0404	DAKLEY BROS	R 0 1	LIBERTY	16930	PA
23-59-0410	GERALD KILLIGREW	R D 1	LINDLEY	14858	NY
23-59-0420	GOR WOOD O ACRES	R 0 3 & LERDY PLAN	MANSFIELD	16933	PA
23-60-0003	LEON M MUSSER	R 0 2	LEWISBURG	17837	PA
23-60-0006	HAROLD B WALTER & SON	R D 1	LEWISBURG	17837	PA

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-60-0010	LAURELTON SCH & HOSP	% OAVIS GEN OEL	LAURELTON	17835	PA
23-60-0019	FREO & CHARLES OOCK	R O 2	LEWISBURG	17837	PA
23-60-0029	ELWOOD KEEFER	R O 2	LEWISBURG	17837	PA
23-60-0031	CRISSENS FARMS	R D 1	LEWISBURG	17837	PA
23-60-0032	LEWIS V KENAMONO	EAST CHESTNUT ST	MIFFLINBURG	17844	PA
23-60-0036	EUGENE SPANGLER	R O 2	MIFFLINBURG	17844	PA
23-60-0043	RICHARD C RESSEGUE	R O 3	LEWISBURG	17837	PA
23-60-0069	GLEN ZIMMERMAN	R O 2	MIFFLINBURG	17844	PA
23-60-0080	HENRY SANDERS	R O 1	MILLMONT	17845	PA
23-60-0084	RAY M ARO	R O 2	LEWISBURG	17837	PA
23-60-0105	DALE SPRANGLER & SON	R O 2	MIFFLINBURG	17844	PA
23-60-0107	CLARENCE W BEILER	R O 1	MIFFLINBURG	17844	PA
23-60-0109	DAVIO W FORESMAN	R O 2	MIFFLINBURG	17844	PA
23-60-0124	JOHN F WEHR & SON	R O 2	MIFFLINBURG	17844	PA
23-60-0135	ELAM BEILER	R O 2	MIFFLINBURG	17844	PA
23-60-0138	PAUL LONGENECKER	R O 2	LEWISBURG	17837	PA
23-60-0150	WOODROW W SPANGLER	R O 3	LEWISBURG	17837	PA
23-61-0004	VIVIAN F RIOOLE	ROUTE 2	EMLENTON	16373	PA
23-61-0040	WINOY HILL FARMS	R O 3	TITUSVILLE	16354	PA
23-62-0005	GUY BEERS	R O 1	GRANO VALLEY	16420	PA
23-62-0010	LINOELL BROS	R O 2	RUSSELL	16345	PA
23-62-0014	RONALO MESSENGER	R O 1	SPRING CREEK	16436	PA
23-62-0015	LEIGH SMITH	R O 2	PITTSFIELD	16340	PA
23-62-0017	WARREN STATE HOSP	BOX 240	NORTH WARREN	16365	PA
23-62-0021	CARLETON J CURTIS	R O 1	COLUMBUS	16405	PA
23-62-0047	LEROY N STODDARO	R O 3	SUGAR GROVE	16350	PA
23-62-0072	FRANCIS THOMPSON	310 RACE ST	SUGAR GROVE	16350	PA
23-62-0077	LAWRENCE MILLER	R O 4	CORRY	16407	PA
23-62-0092	ODDOS FARMS	R O 2	CORRY	16407	PA
23-62-0094	RAN-OELL FARM	R O 2	CORRY	16407	PA
23-63-0002	FAVA BROS	R O 1	SCENERY HILL	15360	PA
23-63-0013	PEVARNIK BROS	R F O 1	CARMICHAELS	15320	PA
23-63-0014	ROY ROBISON & SON	R F O 1	COAL CENTER	15423	PA
23-63-0023	ALVIN CARTER & SONS	R O 4	MCOONALO	15057	PA
23-63-0024	C E CARTER & SONS	R O 4	MCOONALO	15057	PA
23-63-0028	HARRY R FEHL & SONS	R O 1	CANONSBURG	15317	PA
23-63-0034	MORGAN GLO FARM	115B MORGAN RO	BRIEGEVILLE	15017	PA
23-63-0062	A M & R H PATTERSON	R O 1	EIGHTY FOUR	15330	PA
23-63-0081	A L MORRISON JR	R O 1	WEST ALEXANDER	15376	PA
23-63-0107	A J CELESTINE	R F O 1	SCENERY HILL	15360	PA
23-63-0111	THOMAS W COWOEN	R O 4	MC OONALO	15057	PA
23-63-0115	FRANK RICHMONO & SON	R O 3 BOX 350	WASHINGTON	15301	PA
23-63-0152	RITCHIE O WEAVER	R O 1 BOX 220	CANONSBURG	15317	PA
23-63-0160	W EOWIN MILLER	R O 4 BOX 178	MC OONALO	15057	PA
23-63-0163	JAMES W OILLE	R O 1	CLARKSVILLE	15322	PA
23-63-0166	E RICHARD BEONARSKI	R O 1	AVELLA	15312	PA
23-63-0183	ROBERT G BRIGGS	770 ORY RUN RO	MONONGAHELA	15063	PA
23-64-0003	CLEARFIELD FARMS	R F O 2	HONESOALE	18431	PA
23-64-0004	ROWE BROS	R O 2	HONESOALE	18431	PA
23-64-0011	FOLLEY BROS	R O 1	WAYMART	18472	PA
23-64-0029	CARL CONBEER	R O 4	HONESOALE	18431	PA
23-64-0045	ROBERT SHEARO		MILANVILLE	18443	PA
23-64-0056	HOMER CURTIS	STAR ROUTE	PRESTON PARK	18455	PA
23-64-0058	PAUL O AGATI	STAR ROUTE	HANCOCK	13783	NY
23-64-0059	OIBBSOON FARMS		STARRUCCA	18462	PA
23-64-0083	BRUCE BANKS	R O 1	NEFOUNDOLANO	18445	PA
23-64-0098	LOCKLIN BROS		LAKEVILLE	18438	PA
23-64-0109	ROBERT BAILEY	R O 1	WAYMART	18472	PA
23-64-0116	FARVIEW STATE HOSP	ARTHUR ROBINSON	WAYMART R O 2	18472	PA
23-64-0129	RIVEROALE FARMS	R O 1	WAYMART	18472	PA
23-64-0188	BUNTLINE FARMS	STAR ROUTE	HONESOALE	18431	PA
23-64-0194	CREAMTON DAIRY	R O 1	WAYMART	18472	PA
23-64-0199	ARTHUR H NOBLE	R O 4	HONESOALE	18431	PA
23-64-0211	OSCAR E ROPKE JR	BOX 174	CALLICOON	12723	NY
23-64-0222	ROBERT K HELLMERS	R O BOX 1	EQUINUNK	18417	PA
23-64-0226	LARRY & BRUCE MCLAIN	STAR ROUTE	MOSCOW	18444	PA
23-64-0227	LLOYD F CANFIELD	PA R O	OAMASCUS	18415	PA
23-64-0247	ALTON HARVEY	R O 1	HONESOALE	18431	PA
23-64-0248	TRI NON FARMS	R O 1	PLEASANT MOUNT	18453	PA
23-64-0255	ROBERT OLVER	R O 1	HONESOALE	18431	PA
23-64-0268	ALTON C OLVER	R O 1 BOX 205	HONESOALE	18431	PA
23-64-0275	H L WOODMANSEE	R O	LAKE COMO	18455	PA
23-64-0290	OWIGHT F HAUENSTEIN	R O 1	PLEASANT MOUNT	18453	PA
23-64-0307	DAVIO HAUENSTEIN III		ALOENVILLE	18401	PA
23-64-0308	A F EDWARDS & SON	R O 3	LAKE ARIEL	18436	PA
23-64-6001	WM J PERKINS	302 9TH ST	HONESOALE	18436	PA
23-64-6002	WM J PERKINS	302 9TH ST	HONESOALE	18431	PA
23-65-0011	RALPH RUGH	R O 3 BOX 92	GREENSBURG	15601	PA
23-65-0022	JOHN W GAUT	R O 1	SCOTTOALE	15683	PA
23-65-0038	E RICHARD STONER	R O 3	ALVERTON	15612	PA
23-65-0045	JOSEPH ZUMBRO	R F O 1	WEST NEWTON	15089	PA
23-65-0063	F E LYONS & SON	R O 2	SALTSBURG	15681	PA
23-65-0067	ANDREW ROSKOVENSKY	R O 2 BOX 269C	LATROBE	15650	PA
23-65-0069	BOYO E WOLFF	R O 2	NEW ALEXANDRIA	15670	PA
23-65-0073	WILLIAM BUTTERMORE	R O 3	MT PLEASANT	15666	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-65-DD79	ST VINCENT ARCHABEEY	DAIRY DEPT	LATRD8E	15650	PA
23-65-D159	KENNETH H SNYDER	R D 1 8DX 136	CHAMPION	15622	PA
23-65-D170	HARRY R MARKER	R D 1	LIGONIER	15658	PA
23-65-D179	R C LYDICK	R D 3 8DX 397	BLAIRSVILLE	15717	PA
23-65-D183	ROBERT & JANE MAYHEW	R D 4	BELLE VERDON	15012	PA
23-65-D187	MEVLAN SINAN & SON	R D 3	EXPRT	15632	PA
23-65-D188	THOMAS HUNT	R D 1 8DX 257	LATRD8E	15650	PA
23-66-DD01	DONALD ARTHUR	154 L CRY STREET	LACEYVILLE	18623	PA
23-66-DD04	DONALD L WILLIAMS	R D 5	TUNKHANNOCK	18657	PA
23-66-DD05	ARROWHEAD FARM	R D 2	LACEYVILLE	18623	PA
23-66-DD14	MR ARTHUR MORRISON	R D 2	LACEYVILLE	18623	PA
23-66-DD24	CLIFFORD SANDS	R D 5	TUNKHANNOCK	18657	PA
23-66-DD46	WYDA BROS	R D 1	HARVEYS LAKE	18618	PA
23-66-DD53	EMERY TAYLOR	R D 1	FACTORYVILLE	18419	PA
23-66-DD61	F S & F W FURMAN	R D 1	LACEYVILLE	18623	PA
23-66-DD63	KARL SHERWOOD & SON	R D 2	MESHOPPEN	18630	PA
23-66-DD64	RALPH MILLIRON	R F D 2	LACEYVILLE	18623	PA
23-66-DD80	CHARLES KALINDOWSKI	R D 4	TUNKHANNOCK	18657	PA
23-66-DD83	FRED J KINTNER JR	R D 2	MEHOPANY	18629	PA
23-66-DD85	DONALD BARTH	R D 3	TUNKHANNOCK	18657	PA
23-66-DD89	FREDERICK N SHUPP	R D 2	TUNKHANNOCK	18657	PA
23-66-D100	DALE TEWKESBURY	R D 2	MESHOPPEN	18630	PA
23-66-D101	TARI	R D 2	MEHOPANY	18629	PA
23-67-DD03	GED KNIGHT	R D 1	AIRVILLE	17302	PA
23-67-DD04	SAM & DAVID STEWART	R D 1	DELTA	17314	PA
23-67-DD14	S WISE & S KILGORE	R D 1	BROGUEVILLE	17369	PA
23-67-DD16	SUSQUEHANNA DAIRY FM	R D 1	DELTA	17314	PA
23-67-DD21	C EVERETT RICHARDSON	R D 1	FAWNGROVE	17321	PA
23-67-DD37	WILLIAM H FANTOM	R D 1	DELTA	17314	PA
23-67-DD67	SINKING SPRING FARM	W H STEBBINS	R D 5 YORK	17402	PA
23-67-0075	UTTER BROS	2100 NORTH GEORGE	YORK	17404	PA
23-67-0079	BESHORE FARMS	R D 1	NEW CUMBERLAND	17070	PA
23-67-D111	WALTER J MILLER	R D 2	DELTA	17314	PA
23-67-D112	HARDL BROWN	R D 2	DELTA	17314	PA
23-67-D118	HARDL GDD	R D 1	AIRVILLE	17302	PA
23-67-D127	ALBERT DEHOFF	R D 1	DALLASTOWN	17313	PA
23-67-D160	IRA L BRYER	110 BIESECKER RD	YORK	17404	PA
23-67-D162	GUY A LEADER & SONS	R D 2	YORK	17403	PA
23-67-D182	ROY & FRANK FEESER	R D 2	HANOVER	17331	PA
23-67-D184	PRESTON CHRONISTER	R D 7	YORK	17404	PA
23-67-D186	H E FETROW & SONS	R D 4	YORK	17404	PA
23-67-D190	HARRY W BLESSING	R D 1	WRIGHTSVILLE	17368	PA
23-67-D200	CHARLES D BLAISURE	R D 4	YORK	17404	PA
23-67-D201	RODMAN C THOMPSON	R D 1	EAST BERLIN	17316	PA
23-67-D207	STUMP ACRES	R D 6	YORK	17404	PA
23-67-D220	LESTER LUCKENBAUGH	R D 1	SPRING GROVE	17362	PA
23-67-D237	ROBERT R STEWART	R D 1	AIRVILLE	17302	PA
23-67-D243	FRED KIMMEL	R D 1	DILLSBURG	17019	PA
23-67-D248	JACOBS & STAMBAUGH	R D 2	DOVER	17315	PA
23-67-D249	RICHARD SMYSER	R D 1	YORK	17404	PA
23-67-D252	HONEYCREST FARMS	R D 1 & E E LEHMAN	HELLAM	17336	PA
23-67-D260	LEROY BOPP	R D 2	SEVEN VALLEYS	17360	PA
23-67-D271	DENNIS L MC WILLIAMS	R D 2	SEVEN VALLEYS	17360	PA
23-67-D272	PALMER MCWILLIAMS JR	R D 2	SEVEN VALLEYS	17362	PA
23-67-D292	PHILLIP D LAUGHMAN	R D 1	THOMASVILLE	17364	PA
23-67-D293	AVALONG FARMS INC	L L AMSPACHER R D	YORK	17402	PA
23-67-D294	AVALONG FARMS INC	L L AMSPACHER R D	YORK	17402	PA
23-67-D295	WAYNE H RODGERS	R D 1	EAST BERLIN	17316	PA
23-67-D296	PHILIP R STAMBAUGH	R D 1 BOX 17A	SPRING GROVE	17362	PA
23-67-D301	RICHARD E STOUGH	RD 6 WOLFS CHURCH	YORK	17404	PA
23-67-D302	PAUL R KING	R D 2	DELTA	17314	PA
23-67-D303	WAYNE B MUMMERT	R D 1	EAST BERLIN	17316	PA
31-01-DD26	REGINA & ANN PAKALNIS	403 SOUTH STREET	WEST UNION	45693	OH
31-02-DD07	ROBERT J. STRATTON	ROUTE 1	BLUFFTON	45817	OH
31-02-DD08	PAUL M. LONG & SONS	ROUTE 2	ADA	45810	OH
31-02-DD40	H. L. PATTERSON	RT 7.7040 ADA RD.	LAFAYETTE	45854	OH
31-02-9500	H.A. GORDMAN & SONS	3360 LIMA OTTAWA	LIMA	45801	OH
31-03-DD19	TED BECK	ROUTE 1	LOUDONVILLE	44842	OH
31-03-DD20	WILLIAM KEETS	ROUTE 4, 8DX 124	ASHLAND	44805	OH
31-03-DD28	SPRENG BROTHERS	ROUTE 1, 8DX 136	PERRYSVILLE	44864	OH
31-03-DD36	R. PITTENGER & MARTIN	ROUTE 3	ASHLAND	44805	OH
31-03-DD48	GAIL HEIFNER	ROUTE 1	SULLIVAN	44880	OH
31-03-DD83	GLENN MUTCHLER	ROUTE 2	LOUDONVILLE	44842	OH
31-03-DD94	HOMER DENNEY & SON	ROUTE 2	JEROMESVILLE	44840	OH
31-03-DD95	CARLTON J. HARPSTER	ROUTE 1	JEROMESVILLE	44840	OH
31-03-DD96	HAROLD G. BOYD	ROUTE 3	ASHLAND	44805	OH
31-03-D106	RAY SWAISGOOD AND SONS	ROUTE 1, BOX 226	POLK	44286	OH
31-03-D112	HAROLD J. CROSS & SON	ROUTE 5	ASHLAND	44805	OH
31-03-D300	GERALD HARPSTER & SONS	ROUTE 1	JEROMESVILLE	44840	OH
31-03-D330	HARLEY HEFFELFINGER	ROUTE 3	LOUDONVILLE	44842	OH
31-03-D495	PHILLIP A. KERR	R. D. 1	POLK	44866	OH
31-03-0707	R. PITTINGER & FREER	ROUTE 2	ASHLAND	44805	OH
31-03-9017	ELDON SIGRIST	ROUTE 3	WEST SALEM	44287	OH
31-03-9040	EUGENE AND DEAN WELCH	ROUTE 1	POLK	44866	OH
31-03-9045	JAMES T. BARTLEY	ROUTE 1, BOX 65	LOUDONVILLE	44842	OH

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-03-9050	LYLE R. CROW	ROUTE 1	NOVA	44859	OH
31-03-9070	GARY L. BAAGER	ROUTE 1	HOMERVILLE	44235	OH
31-03-9084	CHESTER A. JAMES	ROUTE 1	LOUOONVILLE	44842	OH
31-03-9093	BEN OUTROW	ROUTE 1	HOMERVILLE	44235	OH
31-03-9103	MARLIN BATES	ROUTE 3, BOX 628	ASHLAND	44805	OH
31-03-9120	DOJIMAR FARMS INC.	ROUTE 1	LAKEVILLE	44638	OH
31-03-9315	FREWAY-VUE FARMS	ROUTE 1	WEST SALEM	44287	OH
31-03-9570	RICHARD TUGENO	ROUTE 1	JEROMESVILLE	44840	OH
31-04-0033	LLOYD M. ABBUHL	ROUTE 1, BOX 18	WILLIAMSFIELD	44093	OH
31-04-0042	A.J. PANKOWSKI & SON	ROUTE 2	ASHTABULA	44004	OH
31-04-0049	RUSSELL HUMPHREY JR.	ROUTE 2	CONNEAUT	44030	OH
31-04-0056	ROBERT SIRRINE & SONS		ROME	44085	OH
31-04-0079	NOBLE K. HOPKINS	ROUTE 2, BOX 227	KINSMAN	44428	OH
31-04-0083	RICHARD & GEORGE HOGLE	UNDER RIOGE ROAD	CONNEAUT	44030	OH
31-04-0090	ALICE SHALLENBERGER	HICKORY NUT FARMS	WILLIAMSFIELD	44093	OH
31-04-0450	DAVID KELLOGG		ROME	44085	OH
31-04-0725	C. J. RICE & SON	ROUTE 1	ROCK CREEK	44084	OH
31-04-9011	BETTY J. STRUNA	ROUTE 1	WILLIAMSFIELD	44093	OH
31-05-9020	ATHENS MENTAL HEALTH	CENTER	ATHENS	45701	OH
31-06-0009	IVAN GLASS	ROUTE 2	ST. MARYS	45885	OH
31-06-0016	ROBERT BALLWEG	ROUTE 1	BOTKINS	45306	OH
31-06-0021	CLOICE SMITH AND SON	ROUTE 2	WAPAKONETA	45895	OH
31-06-0032	ELTON EL SASS	ROUTE 5	WAPAKONETA	45895	OH
31-06-0033	GEORGE RINEHART	ROUTE 5	WAPAKONETA	45895	OH
31-06-0036	THOMAS BENSMAN	RURAL ROUTE	MINSTER	45865	OH
31-06-0039	WALTER TOPP AND SONS	RURAL ROUTE	NEW BREMEN	45869	OH
31-06-0049	DANA RICHARSON	ROUTE 4	WAPAKONETA	45895	OH
31-06-0056	PAUL BENSMAN	RURAL ROUTE	MINSTER	45865	OH
31-06-0063	LESTER KRUSE	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-0070	JAMES PRUETER	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-0084	LAWN CREST FARM	ROUTE 6	WAPAKONETA	45895	OH
31-06-0105	HERBERT & DONALD TOPP	ROUTE 1	NEW BREMEN	45869	OH
31-06-0275	VERNON FLEODERJOHANN	ROUTE 2	ST. MARYS	45885	OH
31-06-0388	ALLEN HENSCHEN	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-0400	L. HENSCHEN & SON	ROUTE 1	ST. MARYS	45885	OH
31-06-0450	REUBEN HIBNER	ROUTE 5	WAPAKONETA	45895	OH
31-06-0687	HARROD MENCHOFER	ROUTE 1	NEW BREMEN	45869	OH
31-06-0875	JOHN SCHRDEDER	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-0920	ROGER TAYLOR	ROUTE 1	WAPAKONETA	45895	OH
31-06-9002	LEGENDARY HOLSTEINS	R MONTE SMITH, RT1	WAPAKONETA	45895	OH
31-06-9024	ROGER EL SASS	ROUTE 5	WAPAKONETA	45895	OH
31-06-9038	MATHIAS MILSTEAD	ROUTE 5	WAPAKONETA	45895	OH
31-06-9050	WILBERT BECKMAN	RURAL ROUTE	MINSTER	45865	OH
31-06-9475	WILSON SCHROLUCKE	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-9800	JOHN SCHLENKER	ROUTE 3	WAPAKONETA	45895	OH
31-07-0011	FRIENDS BOARDING SCH	%C. GUINON RT.1	BARNESVILLE	43713	OH
31-07-0760	C. FRANKLIN ROCKWELL	WARREN AVE EXT	BARNESVILLE	43713	OH
31-07-9012	AUSTIN L. GREEN	ROUTE 2	BELMONT	43718	OH
31-07-9390	PAUL K. GREENLEE	ROUTE 1, BOX 312	BRIEGPORT	43912	OH
31-08-0032	EDWARD W. MILLER	ROUTE 2	GEORGETOWN	45121	OH
31-09-0017	ROBERT HESTER	ROUTE 1	TRENTON	45067	OH
31-09-0034	RAYMOND MURPHY	ROUTE 1	MIDDLETOWN	45042	OH
31-09-0520	MADDOX AND ROOEN	ROUTE 1	MIDDLETOWN	45042	OH
31-09-9005	WAYNE SPRING FARM	3370 HAMLTON EATON	HAMILTON	45011	OH
31-09-9024	OWEN CROUCHER & SONS	5455 STILWELL RD	OXFORD	45056	OH
31-09-9042	MRS. T.H. CARRUTHERS 3	190 CORAL AVENUE	GLENDALE	45246	OH
31-09-9480	LEWIS AND SONS	3025 HAMLTON MASON	HAMILTON	45011	OH
31-10-0025	KENNETH LLOYD	ROUTE 1	BOWERSTON	44695	OH
31-10-0040	HAROLD W. SHIELOS	ROUTE 1	MINERVA	44657	OH
31-10-0043	STANFORDS NYDER & SON	ROUTE 1	MALVERN	44644	OH
31-10-0045	ANDY & JOE OCEL	ROUTE 1	MECHANICSTOWN	44651	OH
31-10-0061	PATRICIA J. DAWSON	ROUTE 1	CARROLLTON	44615	OH
31-10-0063	VERNON L. DEININGER	RFO. 1	MALVERN	44644	OH
31-10-0150	OWIGHT M. DEVITT	ROUTE 2	CARROLLTON	44615	OH
31-10-0720	ARTHUR WADSWORTH JR.	ROUTE 1	MALVERN	44644	OH
31-11-0098	PODLER AND HUMBLE	2117 N LUOLOW RD	URBANA	43078	OH
31-11-0112	WILLIS BISHOP & SONS	8298 CEMETERY RD.	OE GRAFF	43318	OH
31-11-0142	RICHARD & OWIGT MCGUIRE	2325 HANNA ROAD	URBANA	43078	OH
31-11-0148	ELDON & PAULINE GOINGS	7974 WESLEY-CHAPL	WEST LIBERTY	43357	OH
31-11-0578	FRANK NELSON & SON	ROUTE 1	URBANA	43078	OH
31-11-0697	L. EVANS & J.R.J. INC.	LEONARD EVANS R.1	URBANA	43078	OH
31-11-9139	JAMES PATTERSON	12409 ROSEDALE RD	MECHANICSBURG	43044	OH
31-11-9150	AYARS BROTHERS	12409 ROSEDALE RD	MECHANICSBURG	43044	OH
31-11-9476	KEN & WILFRED LEHMAN	%KEN LEHMAN RT. 1	WEST LIBERTY	43357	OH
31-11-9731	W. A. SHIPLEY AND SON	ROUTE 3	URBANA	43078	OH
31-11-9935	C.H. GRAY & A.C. YOOER	%A.C. YOOER RT. 1	WEST LIBERTY	43357	OH
31-12-0006	YOUNGS JERSEY DAIRY	BOX 223, RT. 1	YELLOW SPG	45387	OH
31-12-0081	ROGER PHARES	ROUTE 1	SOUTH VIENNA	45502	OH
31-12-0086	SMITH AND BROOKHOUSE	2313 CRABILL RD.	SPRINGFIELD	45502	OH
31-12-0099	KUNKLE BROS.	2039 E. POSSUM RD	SPRINGFIELD	45502	OH
31-12-0308	EARL E. CHAPMAN	2306 COLLIER	SPRINGFIELD	45506	OH
31-12-0570	C. V. MOORE RT. 2	9836 SIGLER RD.	NEW CARLISLE	45344	OH
31-12-0855	RICHARD WILT	ROUTE 1	SPRINGFIELD	45502	OH
31-12-9080	J.E. KEIFER ROUTE 4	5602 S. TECUMSEH RD	SPRINGFIELD	45502	OH
31-12-9306	CHESTER FOLCK & SONS	4810 S. YEL.SP. RD	SPRINGFIELD	45506	OH

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-12-9735	C.H. STICKNEY & SON	3743 E. HIGH ST.	SPRINGFIELD	45505	OH
31-13-0017	L. C. & J. C. LIMING		FELICITY	45120	OH
31-14-0600	J.E. PENQUITE & SON	ROUTE 2	BLANCHESTER	45107	OH
31-14-9006	GEORGE GAND	ROUTE 1	MARTINSVILLE	45146	OH
31-14-9020	CHARLES OSTERMEIER	ROUTE 1	MIDLAND	45148	OH
31-14-9027	GRANTSTEAR FARM	ROUTE 3	WILMINGTON	45177	OH
31-14-9300	RICHARD HAINES	ROUTE 2	SABINA	45169	OH
31-14-9900	WILMINGTON CDL.FM.R.2	K.PICARD, BOX 180C	WILMINGTON	45177	OH
31-15-0029	RUSSELL COOK	ROUTE 2	LEETONIA	44431	OH
31-15-0040	ROBERT D. REND	ROUTE 1	ENON VALLEY	16120	PA
31-15-0042	DEAN CAMPBELL	ROUTE 1	NORTH JACKSON	44451	OH
31-15-0077	ELLYSONS INC.	ROUTE 1	E. ROCHESTER	44625	OH
31-15-0091	JOHN H. BARTEL	ROUTE 1	SALEM	44460	OH
31-15-0093	VALLEY VIEW FARM	ROUTE 5	SALEM	44460	OH
31-15-0100	GRASSY VU FARMS INC.	ROUTE 2	SALEM	44460	OH
31-15-0110	WAYNE L. HERRON	ROUTE 2	SALEM	44460	OH
31-15-0111	ALBERT GORCHEFF		COLUMBIANA	44408	OH
31-15-0124	DDRIS STRYFFELER	ROUTE 2	BELOIT	44609	OH
31-15-0140	R.B. WOOLMAN		BELOIT	44609	OH
31-15-0182	WILLARD COPE HERO 1	ROUTE 3	SALEM	44460	OH
31-15-0455	CARL HERRON AND SONS	ROUTE 3	SALEM	44460	OH
31-15-0520	N. D. KARLEN	ROUTE 1	SALEM	44460	OH
31-15-0569	LEONARD LOWMILLER		MINERVA	44657	OH
31-15-9008	GLENN UNKEFER	ROUTE 2	COLUMBIANA	44408	OH
31-15-9071	WILLIAM T. MCKARNS	ROUTE 1	KENSINGTON	44427	OH
31-15-9086	LOWELL W. BAKER	ROUTE 1, BOX 115	SALEM	44460	OH
31-15-9412	OWAIN HAWKINS & FAMILY		NEW WATERFORD	44445	OH
31-15-9504	WALTER JOHNSON	ROUTE 1	HOMEWORTH	44634	OH
31-15-9673	W.R. RUPERT AND SONS		NEW WATERFORD	44445	OH
31-15-9832	WADE N. WEHR RT.1	12300 NEW BUFFALO	NORTH LIMA	44452	OH
31-15-9874	PAUL D. WITMER	ROUTE 1	COLUMBIANA	44408	OH
31-16-0043	OPPORTUNITY RANCH	G.ZINKON, ROUTE 1	FRESNO	43824	OH
31-16-9125	ALFRED & C. OUNCAN	ROUTE 1	WARSAW	43844	OH
31-17-0021	OSCAR LEUTHOLD	ROUTE 4	BUCYRUS	44820	OH
31-17-0500	RICHARD BECK	ROUTE 3	GALION	44833	OH
31-17-0700	JOHN SPRENG	ROUTE 2	BUCYRUS	44820	OH
31-17-0750	PAUL R. WAGNER	ROUTE 2	BUCYRUS	44820	OH
31-17-0850	J. G. YAUSSEY & SONS	ROUTE 2	BUCYRUS	44820	OH
31-19-0039	THOMAS SNYDER & SONS	ROUTE 1	ARCANUM	45304	OH
31-19-0060	RICHARD WEISS	ROUTE 3	UNION CITY	47390	IN
31-19-0066	ARTHUR BRUENING & FAM	ROUTE 1	YORKSHIRE	45388	OH
31-19-0068	ORVILLE W. BORCHERS	ROUTE 1	VERSAILES	45380	OH
31-19-0072	L.S. & AVIO KRUCKEBERG	ROUTE 5	GREENVILLE	45331	OH
31-19-0074	ROGER POWELL & FAMILY	ROUTE 5, BOX 237	UNION CITY	47309	IN
31-19-0075	RICHARD O. MILLER	ROUTE 1 BOX 109	HOLLANSBURG	45332	OH
31-19-0076	WILLIAM D. HOUSE	ROUTE 1	NEW MADISON	45346	OH
31-19-0442	FLOYD E. LIVINGSTON	ROUTE 5 BOX 76	UNION CITY	47390	IN
31-19-0595	JOHN D. MUNN, JR.	ROUTE 1	ARCANUM	45304	OH
31-19-9029	ELMER A. LONGENECKER	ROUTE 1	LAURA	45337	OH
31-19-9697	HAROLD H. PETRY	ROUTE 1	NEW MADISON	45346	OH
31-19-9816	HERMAN STOCKSOLE	ROUTE 1	UNION CITY	47390	IN
31-20-0014	VICTOR NDROEN	ROUTE 4	DEFIANCE	43512	OH
31-20-9026	R. BUCKELMAN & SONS	ROUTE 2	NAPOLÉON	43545	OH
31-21-0036	M.N. & R.A. FICHTELMAN	ROUTE 1	SUNBURY	43074	OH
31-21-9024	JAMES FLEMING & SONS	ROUTE 1	LEONARDSBURG	43034	OH
31-22-0006	ROBERT E. SCHAEFFER	ROUTE 2	SANOUSKY	44870	OH
31-22-0029	ERVIN W. MAURER & SONS	6149 EDSON ST.	VERMILION	44089	OH
31-22-0600	EUGENE SCHAEFFER	ROUTE 1	MILAN	44846	OH
31-22-9004	H. T. KUNS AND SONS	ROUTE 1	CASTALIA	44824	OH
31-22-9008	N. CENTRAL SUBSTATION	ROUTE 1	VICKERY	43464	OH
31-22-9009	N. CENTRAL SUBSTATION	ROUTE 1	VICKERY	43464	OH
31-22-9028	W. JAMES KNAPP	ROUTE 1	CASTALIA	44824	OH
31-23-0009	CARL BEERY	ROUTE 1	LANCASTER	43130	OH
31-23-0061	THEODORE E. KOHLER	ROUTE 1	CANAL WNCSTR	43110	OH
31-23-0200	ROBERT AND PAUL EY	ROUTE 3	LANCASTER	43130	OH
31-23-9081	CARPENTER BROTHERS	5745 BURCHEY RT.2	BALTIMORE	43105	OH
31-23-9094	GLENN LACKEY	ROUTE 2	CANAL WNCSTR	43110	OH
31-23-9095	NEAL F. SCHIRM	GENOER RO	CANAL WNCSTR	43110	OH
31-24-0006	ROBERT PERO	ROUTE 2	WASHINGTON CH	43160	OH
31-24-0009	NELL D. MARCY	ROUTE 1	MT. STERLING	43143	OH
31-24-0016	WM.E. MCFADDEN AND SON	ROUTE 1	GREENFIELD	45123	OH
31-25-0045	HENDERSON AND THOMAS	JAMES THOMAS, RT.1	GALLOWAY	43119	OH
31-25-0048	ROBERT EBERHARD	5055 HALL ROAD	COLUMBUS	43228	OH
31-26-0078	GILBERT EISEL	BOX 135	BERKEY	43504	OH
31-26-0085	GERALD SNYDER	ROUTE 2, BOX 201	DELTA	43515	OH
31-26-0550	MAYNARD RAKER	ROUTE 2	FAYETTE	43521	OH
31-26-9007	WAVE TEOROW AND SONS	ROUTE 2, BOX 309	DELTA	43515	OH
31-26-9075	K. KING & H. SCHMUCKER	ROUTE 5 BOX 207	WAUSEON	43567	OH
31-26-9390	IVAN D. NAFZIGER	ROUTE 2, BOX 74	ARCHBOLD	43502	OH
31-27-0023	GALLIPOLIS ST. INST.	ATT. HORACE DEWITT	GALLIPOLIS	45631	OH
31-28-0002	FRANK ADAMS & SON		HUNTSBURG	44046	OH
31-28-0003	LONGVIEW FARM #1	DAN WENGERD, RT.2	BURTON	44021	OH
31-28-0012	CHARLES KORITANSKY		CHARDON	44024	OH
31-28-0026	LLOYD E. OBER	OBERLAND FARM	NEWBURY	44065	OH
31-28-0030	VERNON HOWARD	ROUTE 2	CHAGRIN FALLS	44022	OH

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET CR ROUTE	TOWN	ZIP-CODE	STATE
31-28-0047	ROBERT THOMAS	12485 BUTTERNUT RD	CHAROON	44024	OH
31-28-0048	THE FRANKS FARM RT. 2	10795 FRANKS ROAD	CHAGRIN FALLS	44022	OH
31-28-0049	LOWELL E. HOFFMASTER	ROUTE 2	BURTON	44021	OH
31-28-0060	JERRY MITCHELL	17248 MUNN RD.	CHAGRIN FALLS	44022	OH
31-28-0725	DR.H.B.THOMAS	BUTTERNUT RD	CHAROON	44024	OH
31-29-0330	FULTON BROTHERS	RT.1 & R.E. FULTON	FAIRBORN	45324	OH
31-29-0660	LAURIS & GENE STRALEY	ROUTE 2	CEARVILLE	45314	OH
31-29-9029	O.S. AND S.O. HOME		XENIA	45385	OH
31-29-9360	O.KYLE & MONROE PYLES	ROUTE 1	CEARVILLE	45314	OH
31-30-0120	HOWARD BAY & SON	ROUTE 2	CUMBERLAND	43732	OH
31-30-0780	R. WAYNE MOORE	ROUTE 6	CAMBRIDGE	43725	OH
31-31-0300	KNOLLMAN FARM INC.	7218 WILLEY RD.	HAMILTON	45013	OH
31-31-9001	JAMES K. HEIDRICH	5932 MUDDY CK. RD.	CINCINNATI	45238	OH
31-32-0016	LORENZ VON STEIN	ROUTE 1	RAWSON	45881	OH
31-32-9012	R W WISELEY	ROUTE 3	FINDLAY	45840	OH
31-32-9690	CLARENCE & DAN SHOOP	ROUTE 2 80X 145	MCCOMB	45858	OH
31-32-9780	EUGENE E. SPAHR	ROUTE 2	FINDLAY	45840	OH
31-32-9840	LUTHER A WISELEY	ROUTE 1	ALVADA	44802	OH
31-33-0009	R.BARNES & B.JONES	ROUTE 4	KENTON	43326	OH
31-33-9019	ROBERT E. JUMP	ROUTE 1	ADA	45810	OH
31-33-9026	HAROLD LUSK, ROUTE 1	FOREST HILLS FMS.	MT. VICTORY	43340	OH
31-33-9175	PAUL E. DIRKSON & SON	ROUTE 2	KENTON	43326	OH
31-34-0004	RALPH DUNLAP	ROUTE 4	CAOIZ	43807	OH
31-34-0012	ARTHUR ARBAUGH & SONS	ROUTE 1	JEWETT	43986	OH
31-34-0023	LUCILE KAIL HENARY	ROUTE 1	JEWETT	43986	OH
31-34-9024	HORACE STEWART	80X 334	JEWETT	43986	OH
31-35-0026	JOHN MILLER	ROUTE 3	DEFIANCE	43512	OH
31-35-0100	ROBERT CLADY	ROUTE 2	HOLGATE	43527	OH
31-35-0550	ALBERT SEEMANN	ROUTE 2	DESHLER	43516	OH
31-35-9008	MILLANO FARMS INC.	ROUTE 1	NAPOLION	43545	OH
31-35-9013	HOOF P.F.M. MCCLURE D.	2521 MIDOLESEX OR	TOLEDO	43606	OH
31-35-9024	LEE C. MILLER	ROUTE 1	MC CLURE	43534	OH
31-36-0009	DAVID W. CAPLINGER	ROUTE 1	HILLSBORO	45133	OH
31-36-0012	PROUDY AND WALKER	ROUTE 2, 80X 12A	HILLSBORO	45133	OH
31-36-0056	OLIVER IVERS	ROUTE 2 80X 79	HILLSBORO	45133	OH
31-36-0063	JOSEPH J. PRESTON	ROUTE 1	SEAMAN	45679	OH
31-38-0020	VERNON O. KLINE	ROUTE 2	SHREVE	44676	OH
31-38-0034	WARREN MASSIE	ROUTE 1	LAKEVILLE	44638	OH
31-38-0036	B.B. AND FLOYD JONES	ROUTE 1	BRINKHAVEN	43006	OH
31-38-0061	MOSE J. HOSTETLER	STAR ROUTE	MILLERSBURG	44654	OH
31-38-0076	RALPH E. WEAVER	ROUTE 1	MILLERSBURG	44654	OH
31-38-0079	ROBERT SCHLABACH	ROUTE 1	SUGARCREEK	44681	OH
31-38-0087	ROY O. HERSHBERGER	ROUTE 5	MILLERSBURG	44654	OH
31-38-0114	BLAKE AND PAUL BOYO	ROUTE 4	MILLERSBURG	44654	OH
31-38-0129	SUNRISE VALE FARM	% ORUS E. WEAVER	BERLIN	44610	OH
31-38-0137	ELI L. HERSHBERGER	ROUTE 1	DUNOEE	44624	OH
31-38-0280	WENOEL W. LANG	ROUTE 1	BIG PRAIRIE	44611	OH
31-38-0700	FLOYD WACHTEL & FAMILY	ROUTE 1	BIG PRAIRIE	44611	OH
31-38-9035	ROBT.L.STEVEN D.WATTS	ROUTE 1	KILLBUCK	44637	OH
31-38-9046	SPRING HOLLOW FARM	% P PRICE ROUTE 1	LAKEVILLE	44638	OH
31-38-9210	LOCUST HILL FARM	% R.FETTER RT.1	BIG PRAIRIE	44611	OH
31-39-0005	WILLIAM R. DALTON	ROUTE 1	WAKEMAN	44889	OH
31-39-0014	PHIL BURSLEY	ROUTE 3	WAKEMAN	44889	OH
31-39-0023	AMBROSE SMITH & SON	ROUTE 3	WAKEMAN	44889	OH
31-39-0140	GEORGE R. CAHRSE	ROUTE 2	NEW LONDON	44851	OH
31-39-0160	CAHRSE BROTHERS	ROUTE 2	NEW LONDON	44851	OH
31-39-0280	DONALD DIVINS	ROUTE 2	WAKEMAN	44889	OH
31-39-0395	DALWOOD FARM	% WAYNE DALTON RT3	WAKEMAN	44889	OH
31-39-0490	CHARLES B. KEYSOR	ROUTE 1	SHILOH	44878	OH
31-39-9019	KENTON SHERMAN	ROUTE 1	BELLEVUE	44811	OH
31-39-9020	ALLEN ALBRIGHT & FMYL	ROUTE 1	WILLARD	44890	OH
31-39-9120	PAUL & ED BEILER	ROUTE 1	BELLEVUE	44811	OH
31-39-9320	CHESTNUT RIDGE FARM	WILLIAM ERF, RT.1	BELLEVUE	44811	OH
31-40-0019	J.E. BROWN	ROUTE 2	WELLSTON	45692	OH
31-41-0007	AUGUST DENARDI	ROUTE 1 80X 84	OILLONVALE	43917	OH
31-41-0675	JOHN R. RAMSEY & SONS	ROUTE 1	RICHMOND	43944	OH
31-41-0700	SMITH & WEST	ROUTE 1	OILLONVALE	43917	OH
31-42-0015	ROBERT WORKMAN	ROUTE 1	DANVILLE	43014	OH
31-42-0032	GORDON BRIGGS	ROUTE 1	GAMBIER	43022	OH
31-42-0055	WOODSIDE FARM	LUTHER LAYMON, R.1	GAMBIER	43119	OH
31-42-0082	DALE SNELL	ROUTE 3	FREDERICKTOWN	43019	OH
31-42-0094	DAL MAR DAN FARMS	DALE SPEARMAN, R.4	MT. VERNON	43050	OH
31-42-0150	ROBERT M BUNNELL	ROUTE 1	FREDERICKTOWN	43019	OH
31-42-0768	HELPING HAND FARM	DON MINER	DANVILLE	43014	OH
31-42-9005	JW HEALEA WARWICK FM	ROUTE 1	MT. VERNON	43050	OH
31-42-9031	MRS.M.C. BOUTON & SONS	ROUTE 2	MT. VERNON	43050	OH
31-42-9060	RALPH G. & D. YAUGER	ROUTE 2	MT. VERNON	43050	OH
31-42-9062	KIRKS HOLSTEIN FARM	ROUTE 2	MT. VERNON	43050	OH
31-42-9076	NOBLE HERITAGE FARMS	ROUTE 3	MT. VERNON	43050	OH
31-42-9105	AURORA HIGHLAND DAIRY	ROUTE 1	WALHONDING	43843	OH
31-42-9325	G.S.&E.F. COLOPY, RT.2	GLEN OAKS FARMS	DANVILLE	43014	OH
31-42-9777	CHAS.C. PHILLIPS & SONS	ROUTE 2	MT. VERNON	43050	OH
31-42-9925	MARVIN WARNER	ROUTE 2	FREDERICKTOWN	43019	OH
31-45-0017	STUART N. BOVARO	ROUTE 1	UTICA	43080	OH
31-45-0023	H.H. BREYMAIER & SONS	ROUTE 2	GRANVILLE	43023	OH

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-45-0045	LOY M. SMITH	SMITH MEADOWS FM	CROTON	43013	OH
31-45-0086	A.L. BLATTER	ROUTE 1	HEBRON	43025	OH
31-45-0500	J. H. JUSTICE	ROUTE 1	HEBRON	43025	OH
31-45-9035	Y-BROOK FARM	ROUTE 3	NEWARK	43056	OH
31-45-9072	SALLIE J. SEXTON	ROUTE 2	GRANVILLE	43023	OH
31-45-9663	RUSTLING BROOK FM, INC	LICKING CO. RD. 41	REYNOLDSBURG	43068	OH
31-46-0005	GERALD MYERS	ROUTE 1	LEWISTOWN	43333	OH
31-46-0010	KAUFFMAN & MCKEON	ROUTE 1	ZANESFIELDO	43360	OH
31-46-0030	H.E. ACKLEY & SONS	ROUTE 1	ZANESFIELDO	43360	OH
31-46-0042	J. R. RENICK AND SON	ROUTE 1	LEWISTOWN	43333	OH
31-46-0112	JOHN JACKSON AND SON	ROUTE 1	OE GRAFF	43318	OH
31-46-0135	PAUL COMER	ROUTE 2	BELLE CENTER	43310	OH
31-46-0143	KEN AND DAVE KAUFFMAN	ROUTE 2	W. LIBERTY	43357	OH
31-46-0367	W. P. HAYNES	ROUTE 1	N LEWISBURG	43060	OH
31-46-0480	DANIEL & JOE LEHMAN	ROUTE 1	WEST LIBERTY	43357	OH
31-46-0630	SCHLUMBOHM & HILLIKER	ROUTE 2	OE GRAFF	43318	OH
31-46-0810	PAUL WISH & SON, RT 4	C/O PAUL WISH	BELLEFONTAINE	43311	OH
31-46-9079	L.A. DAVISON & SON	ROUTE 1	QUINCY	43343	OH
31-46-9130	ROBERT ACKLEY	ROUTE 1	EAST LIBERTY	43319	OH
31-47-0035	EARL PRENTISS	ROUTE 3	WELLINGTON	44090	OH
31-47-0036	ROY BAKER AND SON	ROUTE 1	WELLINGTON	44090	OH
31-47-0048	FIRELANOS FARM	ROUTE 2	AMHERST	44001	OH
31-47-0064	PIPPERT BROTHERS	ROUTE 3	WAKEMAN	44889	OH
31-47-0080	CHARLES ZACHARIAS	ROUTE #3	WELLINGTON	44090	OH
31-47-0252	JOHN DOVIN	ROUTE 1	OBERLIN	44074	OH
31-47-0432	H&W DAIRY FARM	593 COOLEY ROAD	GRAFTON	44044	OH
31-47-0648	RAPKING & CRILE	ROUTE 3	WELLINGTON	44090	OH
31-47-0756	LAWRENCE SNYDER	ROUTE 1	NEW LONDON	44851	OH
31-47-0816	TRINTER BROTHERS	TRINTER ROAD	VERMILION	44089	OH
31-47-9004	MR & MRS MIKE YAROSH	ROUTE 2	WELLINGTON	44090	OH
31-47-9039	WILLIAM A. PATTON	ROUTE 1	NEW LONDON	44851	OH
31-47-9054	ANDY TAKACS	ROUTE 3	WELLINGTON	44090	OH
31-47-9071	GRAFTON STATE FARM		GRAFTON	44044	OH
31-47-9084	BEDEBE FARMS INC.	ROUTE 2	WELLINGTON	44090	OH
31-47-9150	ROBT. & CHAS. BRILL	ROUTE 1 BOX 76	WELLINGTON	44090	OH
31-47-9624	PICKWORTH BROS.	P.O. PICKWORTH R. 2	WELLINGTON	44090	OH
31-49-0007	PORSCHET & NICOL	% L. PORSCHET RT. 1	PLAIN CITY	43064	OH
31-49-0019	ARTHUR FISHER & SONS	ROUTE 1	LONDON	43140	OH
31-49-0043	CORKWELL & MCKAY	% O. MCKAY RT. 3	MT. STERLING	43143	OH
31-49-0056	WALTER PARKER	1901 JONES ROAD	HILLIARDS	43026	OH
31-49-0078	RUSSELL SHANNON	ROUTE 3,	MT. STERLING	43143	OH
31-49-9018	R.O. SOMMERS AND F.M.L.Y.	ROUTE 3	LONDON	43140	OH
31-49-9033	LONDON PRISON FARM	% MR. TAYLOR	LONDON	43140	OH
31-49-9037	L. E. BOERGER & SON	ROUTE 1	IRWIN	43029	OH
31-49-9062	OHIO STATE UNIVERSITY		COLUMBUS 10	43210	OH
31-49-9063	OHIO STATE UNIVERSITY		COLUMBUS 10	43210	OH
31-49-9066	L. AND J. FARMS INC.	3535 WALKER ROAD	HILLIARDS	43026	OH
31-49-9069	WALTER EBERHARD & SON	1845 WHITE RD.	GROVE CITY	43123	OH
31-49-9070	W. GANTZ, M. MARTINOALE	8955 L-GP RD R. 2	GROVE CITY	43123	OH
31-49-9071	BENOMEAD FARM	2831 FRAZELL RD.	HILLIARDS	43026	OH
31-49-9720	DOON POWER FARM	% LYNN YOCOM	GALLOWAY	43119	OH
31-51-0001	EDWARD MANTEY	2649 MAR-MT-GIL R	MARION	43302	OH
31-51-0034	LLOYD BISHOP AND SON	ROUTE 1	RAONOR	43066	OH
31-52-0056	JERRY NEWCOMER	8160 TOWER RD.	SEVILLE	44273	OH
31-52-0064	ROGER MORLOCK	ROUTE 1, BOX 205	VALLEY CITY	44280	OH
31-52-0076	LEATHERMAN & BRAINARD	3999 STATE RD. RT 2	MEOINA	44256	OH
31-52-0089	GLAO-VALLEY FARM	WM. LINTER, RT 2	SEVILLE	44273	OH
31-52-0100	FRANK S. HACHTEL		HOMERVILLE	44235	OH
31-52-0488	PAUL KRUGGEL AND SONS	ROUTE 1 BOX 140	LITCHFIELD	44253	OH
31-52-0624	FLOYD NEWCOMER	ROUTE 1 BOX 147	SEVILLE	44281	OH
31-52-9041	HOMER H HANGE	ROUTE 1	SPENCER	44275	OH
31-52-9078	LEONARD BEERY	3660 SEVILLE R. R. 1	SEVILLE	44273	OH
31-52-9096	DOON CROCKER AND SONS	66 STATION RD. RT 1	VALLEY CITY	44280	OH
31-52-9351	GRIESHEIMER BROS.	2571 MARKS RD.	VALLEY CITY	44280	OH
31-52-9650	H.B. OWEN & SON	% HAROLD OWEN	HOMERVILLE	44235	OH
31-52-9741	WILLARD ROBY	ROUTE 5 BOX 167	MEOINA	44256	OH
31-53-9005	EDSON ROUSH	ROUTE 1	RACINE	45771	OH
31-54-0004	JOE BUENING	ROUTE 1	FORT LORAMIE	45845	OH
31-54-0011	LUKE WILL	ROUTE 2	FORT RECOVERY	45846	OH
31-54-0260	NORBERT DUES	ROUTE 1	COLDWATER	45828	OH
31-54-0740	JOHN AND DOON SMITH	BOX 137 ROUTE 3	CELINA	45822	OH
31-54-9002	OTHMAR FULLENKAMP	ROUTE 1, BOX 192	MARIA STEIN	45860	OH
31-54-9007	HOMER FRAHM	ROUTE 3 BOX 239	CELINA	45822	OH
31-54-9012	ROBERT E HIGH	ROUTE 1, BOX 102	MENON	45862	OH
31-54-9016	ORVILLE & L. CROUCH	ROUTE 1, BOX 21	MENON	45862	OH
31-54-9030	DR. CHARLES P. AOKINS	CLEARVIEW FM. RT. 1	ST. HENRY	45883	OH
31-54-9038	MEREOTH PIPER	BOX 266 ROUTE 4	CELINA	45822	OH
31-54-9250	AUGUST & PAUL OIRKSEN	ROUTE 1, BOX 165	MARIA STEIN	45860	OH
31-54-9270	CARL FORTKAMP	ROUTE 1, BOX 293	COLDWATER	45828	OH
31-54-9755	ST. CHARLES SEMINARY	CARTHAGENA STA.	CELINA	45822	OH
31-54-9760	ST. MARYS NOVITIATE	CARTHAGENA STATION	CELINA	45822	OH
31-55-0050	BRUCE DOODINGS	2225 N. RENCH RD.	LUDLOW FALLS	45339	OH
31-55-0053	EDWIN YINGST & SONS	2715 N. ST. RT. 4B	COVINGTON	45318	OH
31-55-0285	GALLEN HOOVER	8385 N. ST. RT. 721	BRAOFORD	45308	OH
31-55-9390	JOHN J. & HUGH E. KNOOP	8877 N. NEWHOPE RD	FLETCHER	45326	OH

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-56-0015	CHESTER & GLEN FRALEY	ROUTE 1	8EALLVILLE	43716	OH
31-56-0021	BLUE SKY FARM		LAINGS	43752	OH
31-56-0023	CARL BIGLER	ROUTE 1	POWHATAN	43942	OH
31-56-9024	WINDOMERE FARM	ROUTE 2	JERUSALEM	43747	OH
31-57-0010	GRUSENMEYER BROTHERS	8625 8RANOT PK	OAYTON	45424	OH
31-57-0014	OIRK HARMS	ROUTE 3	8ROOKVILLE	45309	OH
31-57-0020	THOMAS & ROBT. YEAZEL	7142UMIAMISBURGRO	MIAMISBURG	45342	OH
31-57-0043	PAUL STEBBINS	ROUTE 1	FARMERSVILLE	45325	OH
31-57-0045	HARGLO LEIS	ROUTE 1	FARMERSVILLE	45325	OH
31-57-0046	O.W. & O.L. MICHAEL	ROUTE 1	FARMERSVILLE	45325	OH
31-57-0049	KENNETH R. EBY	ROUTE 1	FARMERSVILLE	45325	OH
31-57-9019	D.R. COFFMAN & SON	ROUTE 1	FARMERSVILLE	45325	OH
31-58-0009	CHARLES W. SEIBEL	ROUTE 2	STOCKPORT	43787	OH
31-59-0030	LOREN LINDOR	ROUTE 1	EOISON	43320	OH
31-59-0031	BRUCE LEVERING	ROUTE 2	FREOERICKTOWN	43019	OH
31-59-0033	DERALO HOUK	ROUTE 1	MT GILEAO	43338	OH
31-59-0420	MELVIN BEACHY	ROUTE 2	GALION	44833	OH
31-59-0490	GEORGE JACKSON	ROUTE 3	MT GILEAO	43338	OH
31-59-9027	DO & EC WENGER	ROUTE 3	FREOERICKTOWN	43019	OH
31-59-9840	PLEIADES FARMS	ROUTE 3	MT GILEAO	43338	OH
31-60-0005	DALE VANDENBARK	ROUTE 1	ZANESVILLE	43701	OH
31-60-0400	LAWRENCE ELLIOTT	ROUTE 1	NORWICH	43767	OH
31-65-0002	HINES AND SCHNEIDER	ROUTE 4	CIRCLEVILLE	43113	OH
31-65-0027	PAUL KEMPTON	ROUTE 1	STOUTSVILLE	43154	OH
31-65-0035	LEONARD J. GANTZ	KEPLAR FORO RO,R1	ORIENT	43146	OH
31-65-0090	ROBERT BARNES	ROUTE1	WILLIAMSPORT	43164	OH
31-65-9022	ORIENT STATE HOSPITAL		ORIENT	43146	OH
31-67-0034	PAUL RHODES JR.	118 HOWE RO.	KENT	44240	OH
31-67-0040	JOHNSTONS JERSEYS	9720-U.S. 224	OEERFIELD	44411	OH
31-67-0405	SPARBROOK FARM	ROUTE 1, BOX 247	GARRETTSVILLE	44231	OH
31-67-0828	GRAC - GLEN FARMS	7370 ST. RT. 44	RAVENNA	44266	OH
31-67-0855	W. C. TOMLINSON JR.	ROUTE 6	RAVENNA	44266	OH
31-67-9016	LELANO C. BINGHAM	5217 BURNETT ROAD	KENT	44240	OH
31-67-9019	ANNZIBAR FARM	5930 VAIR ROAD	RAVENNA	44266	OH
31-67-9031	KAUFMAN FARMS	8511 SEASONS ROAD	STREETSBORO	44240	OH
31-68-0059	ROBERT CAMPBELL	ROUTE 2	RICHMONO	47374	IN
31-68-0375	DONALD GUCKIAN	ROUTE 4	EATON	45320	OH
31-68-9047	FRED ERHAROT JR.	R.1 2784 VANTRUMP	SOMERVILLE	45064	OH
31-69-0300	FLOYD C. GROFF	ROUTE 3	CONTINENTAL	45831	OH
31-70-0036	OHIO STATE REFORMATRY	GAIRY OFFICE	MANSFIELD	44901	OH
31-70-9013	RALPH TURLEY MGR.	1030 MARION ROAD	MANSFIELD	44906	OH
31-70-9015	JOHN SIMMONS	ROUTE 2	BELLVILLE	44813	OH
31-70-9028	CECAREBROOK FARMS INC.	ROUTE 2	BELLVILLE	44813	OH
31-72-0014	WILEMA FARMS	3P.E.SCHEPFLIN R3	FREMONT	43420	OH
31-72-0015	R.WIOMAN RT.1,POMONA	ACRES 2466CR128	FREMONT	43420	OH
31-72-0018	FAIRVIEW FRM.A.NUHFER	770 E.MAIN ST.RT1	WOODVILLE	43469	OH
31-72-0048	SHERRARD AN ZIMMERMAN	RT.2 53B2 C.R.55	GIBSONBURG	43431	OH
31-72-0100	EVANLEE DEININGER	ROUTE 2	GIBSONBURG	43431	OH
31-72-9016	NORMAN WIOMAN	787 W.C.R.109,RT1	FREMONT	43420	OH
31-72-9017	HARVEY KING & FAMILY	3119CR174 ROUTE 5	FREMONT	43420	OH
31-72-9019	LOUIS F. SMITH, ROUTE 2	1538 CR-100	FREMONT	43420	OH
31-72-9032	EARL F. BURSEK FAMILY	ROUTE 2	GIBSONBURG	43431	OH
31-72-9036	RUSSELL KERNS	H&R FARMS ROUTE 1	BURGOON	43407	OH
31-72-9038	HENRY FRANK	ROUTE 1	GREENSPRINGS	44836	OH
31-72-9043	H. S. OVERMYER & SONS	ROUTE 1	LINSEY	43442	OH
31-74-0033	H F KAGY & SON	ROUTE 2	BLOOMVILLE	44818	OH
31-74-0042	N.LINDSAY & H.ZIEGLER	FIRESTONE FMS RT.1	GREEN SPRINGS	44836	OH
31-74-0064	FLEET & C. OILLON	ROUTE 2	BELLEVUE	44811	OH
31-74-0074	GERALD&RUTH HOEPEF&SON	36G.HOEPEF RT.4	TIFFIN	44883	OH
31-74-0315	MERLE HUNKER	ROUTE 5	TIFFIN	44883	OH
31-74-9045	FLAT ROCK CHILONS HME		FLAT ROCK	44828	OH
31-75-0016	MAURICE BELL	ROUTE 5	SIONEY	45365	OH
31-75-0017	VICTOR SCHMERGE	ROUTE 1	80TKINS	45306	OH
31-75-0052	DALE E. MAURER	ROUTE 1	ANNA	45302	OH
31-75-0210	FRANK CUMMINGS	ROUTE 5	SIONEY	45365	OH
31-75-0350	ROY HEILAND	ROUTE 1	ANNA	45302	OH
31-75-0385	TRIO FARMS, INC.	ROUTE 1	80TKINS	45306	OH
31-75-0490	EUGENE KREBS	ROUTE 1	80TKINS	45306	OH
31-75-0560	EDWARD MAURER	ROUTE 1	KETTLERSVILLE	45336	OH
31-75-9046	RICHARD PETERS	ROUTE 3	SIONEY	45365	OH
31-75-9056	DOORLOY-HOLSTEIN FM R1	L.W.EPPERLY & SONS	FT. LORAMIE	45845	OH
31-75-9280	NORBERT C. DELOYE	ROUTE 1	FT LORAMIE	45845	OH
31-75-9665	GEROONNE FARMS.	ROUTE 5	SIONEY	45365	OH
31-75-9700	NORBERT PLIEMAN	ROUTE 1	FORT LORAMIE	45845	OH
31-76-0058	GLASALEE FARM	6799 N.PLATE N.E.	LOUISVILLE	44641	OH
31-76-0064	DWAYNE RABER	1020 8AYTON STNE	ALLIANCE	44666	OH
31-76-0089	MASSILLON STATE HOSP.	3MCKENZIE BOX 540	MASSILLON	44646	OH
31-76-0102	JOHN W. BROTHERS	ROUTE 1	KENSINGTON	44427	OH
31-76-0104	PAUL STOCKERT	15274 WARWICK OR.	CANAL FULTON	44614	OH
31-76-0113	CYRILLAS SMITH	1723 SCHNEIDER.N.E	NORTH CANTON	44721	OH
31-76-0117	KENNETH RENNER	ROUTE 2	OALTON	44618	OH
31-76-0121	CHARLES MONTER	6356 8EECHWO AVE	ALLIANCE	44601	OH
31-76-0122	CARPERDALE FARMS, 7432	PILOT KN08 RD.N.E	LOUISVILLE	44641	OH
31-76-0131	PAUL RAMSEY	7632 COLUMBUS DR.	LOUISVILLE	44641	OH
31-76-0706	WM. RUEGG	2955 MANCHSTR NW	N LAWRENCE	44666	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-76-9004	ELGENDALE FM.G.DAWSON	7070 NICKELPLATE	LOUISVILLE	44641	OH
31-76-9015	NICHOLAS EVANICH,RT.3	2871 FOX AVE.S.E.	MINERVA	44657	OH
31-76-9044	MARVIN L.COOK,RT.1	8395 MAPLEHURST	EAST SPARTA	44626	OH
31-76-9086	W.R.HORST	ROUTE 2	DALTON	44618	OH
31-76-9088	MIDDLE BROOK FARM	1995 ALA.%KURZEN	DALTON	44618	OH
31-76-9090	DEAN GOODMAN	7633 HUOSON DR.SW	NAVARRE	44662	OH
31-76-9091	EDWIN STENER	7070 NAVE STREET	MASSILLON	44646	OH
31-76-9095	RUSSELL P. KAHLER	10083 KENT AVE NE	HARTVILLE	44632	OH
31-76-9096	ONALD 8IDINGER	ROUTE 1, 80X 523	DOYLESTOWN	44230	OH
31-76-9150	CAMPBELL 8ROS.	3821 UNION N. E.	HOMEWORTH	44634	OH
31-76-9375	MAREVA FARM INC.	8101 STATE STREET	LOUISVILLE	44641	OH
31-76-9425	APPLE ACRES FARM	2504 8RUM8AUGH ST	NORTH CANTON	44720	OH
31-76-9688	JAMES MONTER	11660GEOTWN.ST.NE	LOUISVILLE	44641	OH
31-78-0037	E.L.KOHLMORGAN	ROUTE 1,80X 42	FARMOALE	44417	OH
31-78-0056	WILLIAM GLOWACKI	80X 337	N.8LOOMFIELD	44450	OH
31-78-0066	ROBERT MINES	ROUTE 4	CORTLAND	44410	OH
31-78-0468	E.M.LOGAN &F.FLOWERS	ROUTE 1	KINSMAN	44428	OH
31-78-0480	GEORGE LOGAN AND SONS		FARM OALE	44417	OH
31-78-0612	HILWOOD FARM	ROUTE 2	KINSMAN	44428	OH
31-78-0732	FLOYD SUMMERS		FARMOALE	44417	OH
31-78-0744	VAUGHN SUNBURY		FARMOALE	44417	OH
31-78-0780	J.C. VINEY AND SON		N. 8LOOMFIELD	44450	OH
31-78-9068	A. L. LIMING	ROUTE 1	MINERAL RIOGE	44440	OH
31-78-9336	GEL8KE BROTHERS	ROUTE 1	VIENNA	44473	OH
31-79-0002	L. A. MARBURGER	ROUTE 2	UHRICHSVILLE	44683	OH
31-79-0006	DAVID POLLOCK & SONS	ROUTE 2	NEW PHILA.	44663	OH
31-79-0022	ROBERT R. CLARKE	ROUTE 1	UHRICHSVILLE	44683	OH
31-79-0026	HENRY ZAHNER & SONS		SHANESVILLE	44674	OH
31-79-0057	8EN J. MULLET	ROUTE 2	SUGARCREEK	44681	OH
31-79-0875	SHARON VALLEY HOLSTNS	%J.J.YOUNG, RT.1	SUGARCREEK	44681	OH
31-79-9718	WAYNE E SPECHT	ROUTE 2	DOVER	44622	OH
31-80-0022	SCHEIDERER AND RAUSCH	ROUTE 1	PLAIN CITY	43064	OH
31-80-0023	M.G.8URNS&FAMILY	ROUTE 1	MILFORO CTR	43045	OH
31-80-0025	TOM SWEENY, JR	ROUTE 2	MARYSVILLE	43040	OH
31-80-0054	LEROY NICOL	ROUTE 5	MARYSVILLE	43040	OH
31-80-0056	RICHARD H RAUSCH	ROUTE 2	MARYSVILLE	43040	OH
31-80-0061	ELI A. & O.E. MILLER	ROUTE 1	PLAIN CITY	43064	OH
31-80-9025	OWIGHT LOW & FAMILY	ROUTE 2	MARYSVILLE	43040	OH
31-80-9049	FAY L. 8OUIC	ROUTE 2	OSTRANDER	43061	OH
31-80-9053	E.C. RAUSCH AND SONS	ROUTE 1	PLAIN CITY	43064	OH
31-80-9069	RONALO CUNNINGHAM	ROUTE 1	MARYSVILLE	43040	OH
31-80-9440	ARTHUR LOSCHKY	ROUTE 1	MILFORO CTR	43045	OH
31-81-9004	ROBERT MCCOY	ROUTE 1	CONVOY	45832	OH
31-81-9007	PAUL 8ELOON	ROUTE 4	VAN WERT	45891	OH
31-81-9010	RIVARRE FARM	ROUTE 2	ROCKFORD	45882	OH
31-81-9910	WILLIAM WELOY	ROUTE 1	MIOOLE POINT	45863	OH
31-83-0003	W A SWARTZEL	ROUTE 3	WAYNESVILLE	45068	OH
31-83-0360	P C HILOE8RANT	ROUTE 2	MAINEVILLE	45039	OH
31-83-9026	SAN MAR GALE FARMS	P.O.80X 265	LEBANON	45036	OH
31-83-9029	LEBANON CORR. INST.	%RALPH KELLER	LEBANON	45036	OH
31-83-9033	ROY HEGER	8748 CIN.-COL. RO	WEST CHESTER	45069	OH
31-85-0077	MARVIN E. HOSTETLER	ROUTE 2	ORRVILLE	44667	OH
31-85-0081	ELMER GOOD	ROUTE 2	ORRVILLE	44667	OH
31-85-0098	W. L WYCKOFF	ROUTE 1	8URBANK	44214	OH
31-85-0108	STARVIEW DAIRY FARM	ROUTE 2	WEST SALEM	44287	OH
31-85-0111	LEE LAR FARM	ROUTE 1	8URBANK	44214	OH
31-85-0150	HOMER GRESSER & SON	ROUTE 2	WOOSTER	44691	OH
31-85-0157	HOMER J. MARTIN	ROUTE 2	ORRVILLE	44667	OH
31-85-0162	WILLIAM MOORE	ROUTE 1	WOOSTER	44691	OH
31-85-0173	GWIN FARMS	ROUTE 2	SHREVE	44676	OH
31-85-0182	GEORGE A. IRVIN	ROUTE 2	WOOSTER	44691	OH
31-85-0192	CYRIL MOORE	ROUTE 4	WOOSTER	44691	OH
31-85-0198	RONALD WINKLER	ROUTE 1 80X 16	STERLING	44276	OH
31-85-0206	MORLOCK FARMS.ROUTE 3	COUNTY RO. 111	WEST SALEM	44287	OH
31-85-0289	HAROLD M HOFFER	ROUTE 7	WOOSTER	44691	OH
31-85-0374	RUSSEL JOHNSON	ROUTE 2	DALTON	44618	OH
31-85-0442	GORDON AMSTUTZ	ROUTE 1	APPLE CREEK	44217	OH
31-85-0561	ALVIN STEINER	ROUTE 1	RITTMAN	44270	OH
31-85-0595	GLENN RESSLER	ROUTE 1	DALTON	44618	OH
31-85-0816	H. 8EUN & S. WELTY	ROUTE 1	APPLE CREEK	44606	OH
31-85-9063	L.E.HARRISON&SON	ROUTE 1	WOOSTER	44694	OH
31-85-9064	RANDALL 8ILLMAN FMLY	ROUTE 1	8URBANK	44214	OH
31-85-9067	MYKRANTZ 8ROTHERS	4020 W.LINCOLN WY	WOOSTER	44691	OH
31-85-9090	W.L.OGDEN&SONS	ROUTE 1	WEST SALEM	44287	OH
31-85-9102	HARDLO 8. 8OWMAN	REFLECTO FM.RT.1	CRESTON	44217	OH
31-85-9103	RICHARD 8AUMAN	ROUTE 1	STERLING	44276	OH
31-85-9106	ROGER W. MARTIN	ROUTE 5	WOOSTER	44691	OH
31-85-9107	VERNON M. MILLER	ROUTE 2	APPLE CREEK	44606	OH
31-85-9110	CARL E. SWINEHART	ROUTE 1	WEST SALEM	44287	OH
31-85-9118	JAMES GRESSER	ROUTE 1	STERLING	44276	OH
31-85-9121	WAYNE AND ROGER KOCH	ROUTE 2	WEST SALEM	44287	OH
31-85-9139	CARLOS SHUY	ROUTE 1	CRESTON	44217	OH
31-85-9140	JESSE HARTZLER	ROUTE 1	SMITHVILLE	44677	OH
31-85-9141	FRANCHESTER FARMS	ROUTE 2	WEST SALEM	44287	OH
31-85-9143	HOMER 8ILLMAN & SONS	ROUTE 2	WEST SALEM	44287	OH

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-85-9145	GALEN BEERY	ROUTE 1 BOX 233	BURBANK	44214	OH
31-85-9148	LARRY&DONALD REBER	ROUTE 1	APPLE CREEK	44606	OH
31-85-9151	RUSSELL GORTNER & SON	ROUTE 5	WOOSTER	44691	OH
31-85-9174	PAUL LENGACHER & SONS	ROUTE 1	CRESTON	44217	OH
31-85-9175	ABRAHAM MILLER	ROUTE 1 BOX 734	CRESTON	44217	OH
31-85-9183	WILLIAM R. PALMER	ROUTE 3	WOOSTER	44691	OH
31-85-9187	CLIFF EMERSON	ROUTE 1	APPLE CREEK	44606	OH
31-85-9238	L O GILMORE	ROUTE 5	WOOSTER	44694	OH
31-85-9272	JOSEPH HARTZLER	ROUTE 5	WOOSTER	44691	OH
31-85-9459	ARTHUR MAIBACH	ROUTE 1	CRESTON	44217	OH
31-85-9748	WALTER F. SNOODY	ROUTE 1	SHREVE	44676	OH
31-85-9890	R.H. & MARLENE WISE	ROUTE 2	WOOSTER	44691	OH
31-86-0014	WAYNE REDIGER	ROUTE 2	PIONEER	43554	OH
31-86-0020	JEROME J. HARTMAN	ROUTE 2	BRYAN	43506	OH
31-86-0063	CARL CREEK, JR.		MONTPELIER	43543	OH
31-86-0400	KOERNER FARMS	ROUTE 2	EOGERTON	43517	OH
31-86-0700	OWEN SCHROEDER		EOGERTON	43517	OH
31-86-9013	RONALO FARNHAM	ROUTE 1	EOGERTON	43517	OH
31-86-9021	J.M.TRESSLER	ROUTE 2	BRYAN	43506	OH
31-86-9038	OALE RIGG AND SON	ROUTE 2	WEST UNITY	43570	OH
31-86-9051	OBERLIN BROS	ROUTE 2	BRYAN	43506	OH
31-86-9052	HARCLO RALPH RIGG	ROUTE 3	BRYAN	43506	OH
31-86-9071	ROBERT C.WINZELER JR.	129 WABASH AVE.	MONTPELIER	43543	OH
31-87-0004	ROBERT MORLOCK	ROUTE 1	PEMBERVILLE	43450	OH
31-87-0029	WAYNE CREPS	RURAL ROUTE	WESTON	43569	OH
31-88-0012	JOE OERR	ROUTE 2	CAREY	43316	OH
31-88-0013	W W AOELSPERGER&SONS	ROUTE 2	CAREY	43316	OH
31-88-0090	GLENN F ALTVATER	ROUTE 1	WHARTON	43359	OH
31-88-0630	ARTHUR MAHER	ROUTE 1	HARPSER	43323	OH
31-88-9008	LEWIS GOTTFRIED JR.	FRANLEW FM, RT.2	UPR SANDUSKY	43351	OH
32-01-0043	RAYMONO BECHER JR	ROUTE 2	DECATUR	46733	IN
32-01-0045	YAGER AND WULLIMAN	%C. WULLIMAN RT.1	BERNE	46711	IN
32-01-0046	KENNETH BEER AND SON	ROUTE 2	BERNE	46711	IN
32-01-0048	NORMAN BECHER	ROUTE 1	BERNE	46711	IN
32-01-0321	MARTIN HABEGGER &SON	ROUTE 1	MONROE	46772	IN
32-01-0536	H.OAVIO MOSSER & SON	ROUTE 2	GENEVA	46740	IN
32-01-0760	ELI SCHWARTZ & SONS	ROUTE 1	BERNE	46711	IN
32-01-0761	L.R. SCHWARTZ & SON	ROUTE 1	BERNE	46711	IN
32-01-9050	OENNIS L.BOLLENBACHER	ROUTE 2	GENEVA	46740	IN
32-01-9101	OALE CAFFEE	ROUTE 3	DECATUR	46733	IN
32-01-9485	ROLANDES LIECHTY	ROUTE 2	BERNE	46711	IN
32-01-9901	HARRY WULLIMAN & SON	ROUTE 1	BERNE	46711	IN
32-02-0047	MILAN F. BLESSING	ROUTE 5	FORT WAYNE	46808	IN
32-02-0410	EARL JOHNSON AND SON	ROUTE 5	FT. WAYNE	46808	IN
32-02-0766	ARNOLO SCHEUMANN	ROUTE 1	HOAGLAND	46745	IN
32-02-0901	RUODOLPH WIETFELOT	ROUTE 1	HOAGLAND	46745	IN
32-02-9710	E. REDDING & SONS	ROUTE 6	FT WAYNE	46802	IN
32-02-9711	MELVIN REKEWEG	ROUTE 2	WOODBURN	46797	IN
32-03-0241	ALBERT & MARVIN FINKE	ROUTE 1	COLUMBUS	47201	IN
32-03-0320	EVANS HOELTKE	ROUTE 2	COLUMBUS	47201	IN
32-04-0760	PAUL & RICHARD SMITH	% PAUL SMITH RT.1	EARL PARK	47942	IN
32-05-9651	BILL POWELL	ROUTE 1	PENNVILLE	47369	IN
32-06-0046	RAY BOTTEMA & FAMILY	ROUTE 1	ZIONSVILLE	46077	IN
32-06-0710	FRANCIS ROOGERS & SON	ROUTE 4	LEBANON	46052	IN
32-06-0763	CORNER GROVE FRMS INC	ROUTE 5	LEBANON	46052	IN
32-06-0903	A. N. WILEY & SON	ROUTE 5	LEBANON	46052	IN
32-06-9762	ARTMAN & ARTMAN R.R.3	% DONALD ARTMAN	SHERIDAN	46069	IN
32-09-0101	JOHN O. COBLE	ROUTE 1	DELPHI	46923	IN
32-09-0162	RONALO OILLMAN	ROUTE 1	TWELVE MILE	46988	IN
32-09-0321	FRANK HUBENTHAL	ROUTE 1	LUCERNE	46950	IN
32-09-0539	FREDERICK MAYHILL	ROUTE 3	LOGANSPOET	46947	IN
32-09-0591	C.NIBLOCK & T.POWLEN	ROUTE 1	LUCERNE	46950	IN
32-09-0712	CARL RUOICEL & SONS	ROUTE 1	TWELVE MILE	46988	IN
32-09-0714	ROBERT RUOICEL	ROUTE 1	TWELVE MILE	46988	IN
32-09-0761	GLEN SNYDER	%G. SNYDER,RT.1	LOGANSPOET	46947	IN
32-09-9042	HARRY & JAMES BRIDGE	ROUTE 2	ROYAL CENTER	46978	IN
32-10-9160	MR.MRS.J.S.OELLINGER	ROUTE 1	JEFFERSONVL	47130	IN
32-10-9210	H.A.ELLINGSWORTH	ROUTE 1 BOX 560	JEFFERSONVL	47130	IN
32-10-9651	OULEY PERRIN	RT.9 UTICA PIKE	JEFFERSONVL	47130	IN
32-10-9764	MELVIN F.SCOTT AND	TERRY G.SCOTT,RT1	CHARLESTOWN	47111	IN
32-17-0320	JOHN HAYNES	ROUTE 3	AUBURN	46706	IN
32-17-0323	RICHARD,&JAMES HAYNES	ROUTE 1	GARRETT	46738	IN
32-17-9533	CHENANGO FM.L.METZGER	&FAMILY ROUTE 1	WATERLOO	46793	IN
32-18-0410	JACKSON & HENSLEY	ROUTE 2	YORKTOWN	47396	IN
32-18-9281	JOHN GUTHRIE	ROUTE 5	MUNCIE	47302	IN
32-18-9282	J.A. & G.E. GOOWIN	ROUTE 1	OALEVILLE	47334	IN
32-18-9710	OTIS P RITCHIE & SON	ROUTE 1	GASTON	47342	IN
32-19-0590	EARL & ROY NEWLIN	ROUTE 2	ORLEANS	47452	IN
32-20-0047	LABAN HOCHSTETLER	ROUTE 1	MIDDLEBURY	46540	IN
32-20-0280	J.P.&R. GORSUCH	ROUTE 3, BOX 237	GOSHEN	46526	IN
32-20-0334	OAVIO G HOOVER	ROUTE 3	GOSHEN	46526	IN
32-20-0441	ARTHUR WEAVER	ROUTE 3 BOX 310	ELKHART	46517	IN
32-20-0550	GERALD MURRAY	ROUTE 1	SYRACUSE	46567	IN
32-20-0555	ALVIN MARTIN	ROUTE 2, BOX 23	GOSHEN	46526	IN
32-20-0557	LEONARD B.MARTIN	ROUTE 5 BOX 122	GOSHEN	46526	IN

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
32-20-0764	DANIEL J. SNOER	ROUTE 1	NEW PARIS	46553	IN
32-20-0786	ROGER SHUDER	ROUTE 1	SYRACUSE	46567	IN
32-20-0915	CLIFFORD WENGER	ROUTE 3 BOX 366	ELKHART	46514	IN
32-20-0916	OALE E. WELDY	ROUTE 4, BOX 325	ELKHART	46514	IN
32-20-0919	EARL WEAVER	ROUTE 5, BOX 247	GOSHEN	46526	IN
32-20-0969	MYLIN E. YODER	ROUTE 1, BOX 6	MIDDLEBURY	46540	IN
32-20-9114	RENE COODENS	ROUTE 1	BRISTOL	46507	IN
32-20-9215	EBY BROS. & J.H. COOK	ROUTE 3, BOX 340	ELKHART	46514	IN
32-20-9218	EVERETT J. EBY & SONS	ROUTE 3	ELKHART	46514	IN
32-20-9240	OELBERT W. CRIPE	ROUTE 4 BOX 323	ELKHART	46514	IN
32-20-9284	KENNETH GERMANN	ROUTE 2	BREMEN	46506	IN
32-20-9291	CLYDE R. GERMANN	ROUTE 2	BREMEN	46506	IN
32-20-9321	PAUL HOOVER	ROUTE 3, BOX B1	GOSHEN	46526	IN
32-20-9326	OLIVER & JOE HIBSCHMAN	ROUTE 1	SYRACUSE	46567	IN
32-20-9328	ROGER E. HAHN	ROUTE 1	NAPPANEE	46550	IN
32-20-9534	OALE MARTIN, ROUTE 1	PLYMOUTH LANE FM.	WAKARUSA	46573	IN
32-20-9559	LEWIS & JOE MARTIN, R. 5	NORTHVIEW F. BOX 118	GOSHEN	46526	IN
32-20-9655	MAX L. PAUL	ROUTE 3 BOX 232	GOSHEN	46526	IN
32-20-9773	BEN M. SHIRK	ROUTE 2, BOX 37	GOSHEN	46526	IN
32-20-9787	DR. G.W. SNOER-S. ROTH	ROUTE 2, BOX 313	GOSHEN	46526	IN
32-20-9906	OTIS WEAVER	ROUTE 5	GOSHEN	46526	IN
32-20-9921	VIRGIL C. WEAVER	ROUTE 3, BOX B5	GOSHEN	46526	IN
32-20-9922	OSCAR R. WEAVER	ROUTE 3 BOX 171	GOSHEN	46526	IN
32-20-9924	O.H. & RICHARD O. WENGER	RR 3 BOX 379	ELKHART	46514	IN
32-20-9926	DR. M.L. WELDY	ROUTE 5	GOSHEN	46526	IN
32-20-9961	HAROLD C. YODER	ROUTE 2	SYRACUSE	46567	IN
32-25-0103	CHARLES BOARDMAN	ROUTE 1	ROCHESTER	46975	IN
32-25-0105	IVAN & THELMA OAGUE	ROUTE 1	KEWANNA	46939	IN
32-25-0162	JOE OAGUE	ROUTE 2	KIWANNA	46939	IN
32-25-0327	LOWELL HOEHNE	ROUTE 1	ROCHESTER	46975	IN
32-25-0901	H. & K. WARNER	ROUTE 3 BOX 124	ROCHESTER	46975	IN
32-25-9212	JANICE & RICHARD EARLY	ROUTE 6	ROCHESTER	46975	IN
32-25-9244	ROGER FIELOS & WALSH	ROUTE 3	KEWANNA	46939	IN
32-25-9482	MAURICE LIPPLEY	ROUTE 2	SILVER LAKE	46982	IN
32-26-0900	CARL WEBER	ROUTE 2	FORT BRANCH	47533	IN
32-27-0110	KEITH CRANOR	ROUTE 1	MARION	46952	IN
32-27-0111	CHAS. CRAIG & FAMILY	ROUTE 1	JONESBORO	46938	IN
32-27-0481	HENRY LEFFLER & SONS	ROUTE 3	MARION	46952	IN
32-27-0534	SHERRIL MALOTT	ROUTE 1	JONESBORO	46938	IN
32-27-9763	RONALD SMITH	ROUTE 1	JONESBORO	46938	IN
32-29-0530	MONTEWOOD DAIRY, RT. 1	MONTE R. BRISTOW	NOBLESVILLE	46060	IN
32-29-9903	KENNETH L. WALKER	ROUTE 2 BOX 23	SHERIDAN	46069	IN
32-30-0160	W. DEWITT & FAMILY	ROUTE 1	NEW PALESTINE	46206	IN
32-30-0323	ODON HILL	ROUTE 1	FOUNTAIN TOWN	46130	IN
32-30-0534	J. MITHOEFER & FAMILY	ROUTE 1	NEW PALESTINE	46163	IN
32-30-0763	FOREST SPARKS & SON	ROUTE 2	GREENFIELD	46140	IN
32-32-0046	C.M. BOTTEMA, FARM 2	ROUTE 2, BOX 380	INDIANAPOLIS	46231	IN
32-32-0047	C.M. BOTTEMA FARM 3	ROUTE 2 BOX 380	INDIANAPOLIS	46231	IN
32-32-9534	GUY MC FARLAND & SONS	ROUTE 1 BOX 708	INDIANAPOLIS	46227	IN
32-32-9760	OWAYNE & NANCY WALTER	ROUTE 1 BOX 256	OSANVILLE	46122	IN
32-33-9041	DANIEL W. BAKER & FAM.	ROUTE 2	MIDDLETOWN	47356	IN
32-33-9713	HERMAN ROEPPER	ROUTE 1	MOORELAND	47360	IN
32-34-0651	MRS. L. PARSONS & SONS	ROUTE 1	GREENTOWN	46936	IN
32-34-9102	HAROLD COLEMAN	ROUTE 1	KOKOMO	46901	IN
32-34-9104	LEAFY LANE FM. BOX 70	RR. SKAGGS RT 2	KOKOMO	46901	IN
32-35-0003	MARK ANSON	ROUTE 1	ANDREWS	46702	IN
32-35-0040	OALE BAKER	ROUTE 1	ANDREWS	46702	IN
32-36-0210	ELLIOTT BROTHERS	ROUTE 2	BROWNSTOWN	47220	IN
32-36-0650	RALPH PETERS	ROUTE 2	BROWNSTOWN	47220	IN
32-36-0820	ARTHUR TORMOEHLER	ROUTE 2	BROWNSTOWN	47220	IN
32-36-0821	ELMER TORMOEHLER	ROUTE 1	CROTHERSVILLE	47229	IN
32-36-9590	HENRY & ROGER NIEMAN	ROUTE 2	BROWNSTOWN	47220	IN
32-37-0531	LAWRENCE MEIER	ROUTE 2	WOLCOTT	47995	IN
32-38-0044	ODON STEED	ROUTE 5	PORTLAND	47371	IN
32-38-0283	PAUL L. GEIRHART & SON	ROUTE 1	BRYANT	47326	IN
32-38-0324	JOHN HAROY & WAYMIRE	ROUTE 1	BRYANT	47326	IN
32-38-0652	THE PEN WILL FARM	ROUTE 1	PENNVILLE	47369	IN
32-38-0870	RICHARD VARNAU & SONS	ROUTE 3	PORTLAND	47371	IN
32-38-9282	JOE GEIRHART	RURAL ROUTE	BRYANT	47326	IN
32-38-9485	DR. M.A. LEHMAN	BOX 44	BERNE	46711	IN
32-38-9651	ROBERT PYLE	ROUTE 2	BRYANT	47326	IN
32-38-9900	EMMETT WALTERS JR FM	ROUTE 2	PORTLAND	47371	IN
32-40-0710	CHARLES ROSS & SON	CIRCLE R FM RT. 1	OUPONT	47231	IN
32-41-0652	CLIFFORD PARKER	ROUTE 4, BOX 93	FRANKLIN	46131	IN
32-41-0710	RAY BROTHERS		TRAFALGAR	46181	IN
32-41-0763	PARIS & SMITH	ROUTE 1	FRANKLIN	46131	IN
32-42-0411	CARL JOHANNINGSMEIER	ROUTE 1	EDWARDSPORT	47528	IN
32-43-0046	CARLTON BEER	ROUTE 1	MILFORD	46542	IN
32-43-0322	L. CUMBERLAND	ROUTE 1	CLAYPOOL	46510	IN
32-43-0860	L. STANLEY UMMEL	ROUTE 1	CLAYPOOL	46510	IN
32-43-9483	HARVESTOR HAVEN	ROUTE 1	CLAYPOOL	46510	IN
32-43-9531	MYRON & GRACE METZGER	ROUTE 2	CLAYPOOL	46510	IN
32-43-9537	L.L. & REX MORT & SONS	ROUTE 1	PIERCETON	46562	IN
32-43-9542	MAURICE AND J. METZGER	ROUTE 2	CLAYPOOL	46510	IN
32-43-9622	LELANO & EDITH OSBORN	ROUTE 2	PIERCETON	46562	IN

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
32-43-9761	EMRA & JOHN STOOKEY	ROUTE 2	MILFORO	46542	IN
32-44-0325	SYLVESTER HAARER	ROUTE 1	SHIPSHEWANA	46565	IN
32-44-0820	RUSSELL TALMAGE	ROUTE 3	LAGRANGE	46761	IN
32-44-0961	ERNEST YOUNG	BOX 42	STROH	46789	IN
32-44-9101	N LEROY CHAMNESS	ROUTE 2	HOWE	46746	IN
32-44-9481	BURTON LEWIS	ROUTE 3	LAGRANGE	46761	IN
32-44-9904	JOSEPH J.WINGARO JR.	ROUTE 2	SHIPSHEWANA	46565	IN
32-44-9963	WILLARD YOOER	ROUTE 2	TOPEKA	46571	IN
32-44-9966	MAURICE A. YOOER	ROUTE 3	LAGRANGE	46761	IN
32-45-0324	LAWRENCE & CHAS. HEIN	B116 MERRILVIE RO	CROWN POINT	46307	IN
32-45-0441	KROST & GURITZ	2021 E. 153 AVE.	CROWN POINT	46307	IN
32-45-0533	MONA OELL FARM	15504 PARRISH ST	LOWELL	46356	IN
32-45-0710	ROW & SCHAFER	509 W.113TH AVE.	CROWN POINT	46307	IN
32-45-9320	EDWARD A. HEIN	2009 E. 121ST AVE	CROWN POINT	46307	IN
32-45-9534	ODOROTHY-JOE MAGINOT	ROUTE 2, BOX 288	CROWN POINT	46307	IN
32-45-9768	OTTO SCHWEITZER	15808 PARRISH ST.	LOWELL	46356	IN
32-45-9900	NICHOLAS WIRTZ&FAM.	310 E.109TH AVE.	CROWNPOINT	46307	IN
32-46-0102	CLARK - SWANSON	ROUTE 1	LACROSSE	46348	IN
32-46-0211	JOSEPH EKOVICH		ROLLING PR	46371	IN
32-46-0333	HARVEY E SOMMERS SONS	HARLA FMS, RT.1	HANNA	46340	IN
32-46-0482	LONG BROS.	ROUTE 1	ROLLING PR	46371	IN
32-46-0483	WARREN LINOBORG	ROUTE 1	UNION MILLS	46382	IN
32-46-0711	DEAN RIBOROY	ROUTE 2, BOX 386	LAPORTE	46350	IN
32-46-0760	STOLTE AND RICHMAN	RURAL ROUTE	ALBION	46701	IN
32-46-0765	WALTER SCHWARZKOPF	ROUTE 6 BOX 403	LAPORTE	46350	IN
32-46-9041	RICH LOU FARMS	BUCHER & SONS R.1	UNION MILLS	46382	IN
32-46-9100	LLOYD CLAYTON	ROUTE 4, BOX 340	LAPORTE	46350	IN
32-46-9107	HARRY F. CONRAO	ROUTE 1, BOX 3	MILLCREEK	46365	IN
32-46-9321	STEVE & JOHN HORVATH	ROUTE 2	NEW CARLISLE	46552	IN
32-46-9324	EDWARD HAGENOW	ROUTE 1 BOX 196	WESTVILLE	46391	IN
32-46-9590	ROBERT A NELSON	ROUTE 3 BOX 599	LAPORTE	46350	IN
32-46-9710	HOWARD RIBOROY	ROUTE 2, BOX 600	LAPORTE	46350	IN
32-48-0380	IND. REFORMATORY	MR LUCUST	PENOLETON	46064	IN
32-48-0650	RUSSELL PATTISON	ROUTE 1	SUMMITVILLE	46070	IN
32-48-0651	ROBERT PEGG AND SONS	ROUTE 3, BOX 107	PENOLETON	46064	IN
32-49-9590	NORMANOV FARMS	7802 MARSH ROAD	INDIANAPOLIS	46204	IN
32-50-0047	MRS FANNIE BURKHOLTER	ROUTE 1	BREMEN	46506	IN
32-50-0164	MAX DINIUS	ROUTE 2, BOX 17	BOURBON	46504	IN
32-50-0410	JOHNSON & STONEBURNER	ROUTE 1	BOURBON	46504	IN
32-50-0542	INSLEY AND GARONER	ROUTE 1 BOX 390	SYRACUSE	46506	IN
32-50-0700	HUGH QUIVEY	ROUTE 1	PLYMOUTH	46563	IN
32-50-0714	GERALD O. RINGLE	ROUTE 1	ARGOS	46501	IN
32-50-0825	CARROLL THOMPSON	ROUTE 1	ARGOS	46501	IN
32-50-0960	BURKE AND YOUNG BLOOD	ROUTE 1	WALKERTON	46574	IN
32-50-9161	ROBERT STANER	ROUTE 3, BOX 425	BREMEN	46506	IN
32-50-9241	FRIENOLY ACRES	ROUTE 2	PLYMOUTH	46563	IN
32-50-9333	MELVIN L. HOCHSTETLER	ROUTE 1, BOX 183	BREMEN	46506	IN
32-50-9592	JOHN A. NEWMAN & SONS	ROUTE 2, BOX 21	CULVER	46511	IN
32-52-9043	RICHARD BIRKEY	ROUTE 1	AMBOY	46911	IN
32-52-9320	W. AND W. HOCHSTEOLER	ROUTE 5	KOKOMO	46901	IN
32-55-0041	C. BOTTEMA, AL. JACKSON	ROUTE 2, BOX 380	INDIANAPOLIS	46231	IN
32-55-9160	JACOB DEGROOT	ROUTE 2	MOORESVILLE	46158	IN
32-57-0320	CHAS. T. MOSFORD & SONS	LIL - CHAR FARMS	WAWAKA	46794	IN
32-57-0449	LESTER O. KEEFER		WAWAKA	46794	IN
32-57-0452	JOHNS AND LAMBRIGHT#1	ROUTE 1	MILLERSBURG	46543	IN
32-57-0539	BENOER FARMS.	ROUTE 1	KIMMELL	46760	IN
32-57-0775	GALEN SWIGGER	ROUTE 2	KENOAALLVILLE	46755	IN
32-57-9241	TOM FRANKS	ROUTE 1	WAWAKA	46794	IN
32-57-9482	JOHN LOVELESS & FAM.		CROMWELL	46732	IN
32-57-9621	CALVIN OTT	ROUTE 2	ALBION	46701	IN
32-57-9901	EUGENE WEBER	ROUTE 1	KENOALVILLE	46755	IN
32-57-9960	HOBART & HELEN YOOER	MR. YOOER ROUTE 1	LIGONIER	46767	IN
32-61-0042	BLAIR BROS.	ROUTE 1	ROSEDALE	47874	IN
32-61-0410	JOSIAH JONES & SON	ROUTE 1	MARSHALL	47859	IN
32-61-0820	H TAYLOR & SON	ROUTE 1	ROSEDALE	47874	IN
32-64-0654	EUGENE PRICE	ROUTE 3	VALPARAISO	46383	IN
32-64-9762	EUGENE SINN	ROUTE 1	KOUTS	46347	IN
32-66-0442	KNEBEL BROTHERS	ROUTE 4	WINAMAC	46996	IN
32-67-0241	MARION FERRANO	ROUTE 3	GREENCASTLE	46135	IN
32-67-9003	JOHN AMES	ROUTE 1	FILLMORE	46128	IN
32-67-9040	EO BROOKSHIRE	ROUTE 2	ROACHDALE	46172	IN
32-68-0005	ABEL AND HOOBER	ROUTE 1	MOORE	47358	IN
32-68-0108	J. OWNING	ROUTE 1	FARMLAND	47340	IN
32-68-0535	THOMAS A. MILLER	ROUTE 3	WINCHESTER	47394	IN
32-68-0540	H. ANDERSON & J. BARKER	MAPLEWOOD FMS. RT 3	WINCHESTER	47394	IN
32-68-9102	WAYNE CLINE	ROUTE 1, BOX 191	UNION CITY	47390	IN
32-68-9243	FOREST FOUTZ & SON	ROUTE 1	PARKER	47368	IN
32-68-9285	MR & MRS M. GORDON HO#2	ROUTE 2	LYNN	47355	IN
32-68-9770	BYRON SMITHSON	ROUTE 1	RIOGEVILLE	47380	IN
32-71-0282	J. GILLIS & C. WAGGONER	50929 ORANGE ROAD	SOUTH BEND 2B	46628	IN
32-71-0480	HERMAN BRINKHOFF	ROUTE 2	NORTH LIBERTY	46554	IN
32-71-0539	MICHAEL MCKIBBIN	ROUTE 1	WOLCOTTVILLE	46795	IN
32-73-0761	BRUCE SIGMAN	ROUTE 1	HOPE	47246	IN
32-73-9241	HARLAN FORTMEYER	ROUTE 1	ST PAUL	47272	IN
32-73-9480	CHESTER & MARTHA LAW	ROUTE 1	NEEOHAM	46162	IN

TABLE 7. LIST OF HERD-OWNERS (CONTINUEO).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
32-74-0761	ST MEINRAOS ABBEY	%BRO.O. SCHEPERS	ST MEINRAO	47577	IN
32-76-0108	MARK CRAIN	ROUTE 1	FREMONT	46737	IN
32-76-0760	ROBERT O. SHUMAKER	ROUTE 1	PLEASANT LAKE	46779	IN
32-76-0768	DON & GERALD SELLERS	ROUTE 1	ORLAND	46776	IN
32-76-0770	THOMAS SIMONS	ROUTE 1	PLEASANT LAKE	46779	IN
32-76-0960	BION & KEITH YOUNG	ROUTE 1	PLEASANT LAKE	46779	IN
32-76-9773	DURWOOD SICKELS	CREST AYR FM.RT.2	FREMONT	46737	IN
32-B1-0440	EUGENE & AOA KLEIN	ROUTE 2	LIBERTY	47353	IN
32-B2-0714	JAMES RIGG & SONS	ROUTE 8	EVANSVILLE	47711	IN
32-B4-0040	G.MARRS & DR.H.BRATT.	ROUTE 25,BOX 117	TERRE HAUTE	47802	IN
32-B5-0105	RAY CHRISTMAN	ROUTE 3	N. MANCHESTER	46962	IN
32-B5-0909	B. ELOON WATSON	ROUTE 1	WABASH	46992	IN
32-B5-9620	VICTOR ODUM	ROUTE 1	WABASH	46992	IN
32-B8-0651	ROGER PACKWOOD	RURAL ROUTE 2	CAMPBELLSBURG	47108	IN
32-B8-9282	O. GREEN GREEN ACRES	ROUTE 5	SALEM	47167	IN
32-B9-0044	BUCKLAND BROS.RT.27	3001 WERNLE ROAD	RICHMOND	47374	IN
32-B9-0108	CLAYTON CLARK	ROUTE 1	WILLIAMSBURG	47393	IN
32-B9-0242	FAGAN&BOYO %G.FAGAN	ROUTE 2	CAMBRIDGE CY	47327	IN
32-B9-0327	F.HARTMAN &	M.&T.KITCHEL RT.1	RICHMONO	47374	IN
32-B9-0328	ROBERT HELMS	ROUTE 2	CENTERVILLE	47330	IN
32-B9-0414	D.HILL AND H.MACY	ROUTE 1	FOUNTAIN CITY	47341	IN
32-B9-0440	JAMAC FARM	P. KOONS, RT. 2	CENTERVILLE	47330	IN
32-B9-0820	R THOMAS & PARSHALL	ROUTE 1 BOX 138	RICHMOND	47374	IN
32-B9-0822	TONY TERHAAR RT.1	THARP AND TERHAAR	FOUNTAIN CITY	47341	IN
32-B9-9531	B.MOYER & M.MOYER	ROUTE 1	GREENSFORK CY	47345	IN
32-90-D100	ELDON CARNES & SON	ROUTE 1	PONETO	46781	IN
32-90-0329	HALTERMAN & PETERSON	ROUTE 1	PONETO	46781	IN
32-91-0760	PAUL SCHWAB	ROUTE 1	WOLCOTT	47995	IN
32-92-0765	HOMER STUDEBAKER	ROUTE 1	SO. WHITLEY	46787	IN
32-92-0900	THOMAS WESTERN & SON	TOM ROUTE 6	COLUMBIA CITY	46725	IN
32-92-0960	LOWELL YOHE	ROUTE 1	SOUTH WHITLEY	46787	IN
32-92-9040	C.W. AND D.E. BONER	ROUTE 3	COLUMBIA CITY	46725	IN
32-92-9441	MONROE KITSON	ROUTE 4	COLUMBIA CITY	46725	IN
32-92-9531	LOREN & OLIVE METZGER	ROUTE 2	SOUTH WHITLEY	46787	IN
32-94-9650	C.M.BROWN,P.DAIRY CTR	1416 CHERRY LANE	W.LAFAYETTE	47906	IN
33-01-0110	JOHN ALISON	RR 2	QUINCY	62301	IL
33-01-0140	ALBERT BASTERT		CAMP POINT	62320	IL
33-01-0141	BASTERT BROTHERS		CAMP POINT	62320	IL
33-01-0173	RAY CALLAHAN AND SON	RR 1	QUINCY	62301	IL
33-01-0211	OIETRICH BROS	% MELVIN DIETRICH	FWLER	62338	IL
33-01-0440	CHARLES KOCH AND SONS	RR 2	MT STERLING	62353	IL
33-01-0741	ROBERT F TERSTRIEP	RR 1	QUINCY	62301	IL
33-01-0744	TENHOUSE AND VOLLBRACHT		LIBERTY	62347	IL
33-02-0210	OEBATIN BROTHERS	RR 1	POCAHONTAS	62275	IL
33-02-0240	ELOON ENNEN	RR 1	SMITHBORO	62284	IL
33-02-0440	LESTER KLEINER		GREENVILLE	62246	IL
33-02-0441	PAUL BUNYARD	RR 5	GREENVILLE	62246	IL
33-02-0442	VINCENT A KORTE	RR 1	POCAHONTAS	62275	IL
33-02-0443	KENNETH KERSCH		GREENVILLE	62246	IL
33-02-0714	DALE SCHAUFELBERGER	RR 2	GREENVILLE	62246	IL
33-02-0715	WILLIAM SCHRAGE	RR 5	GREENVILLE	62246	IL
33-02-0740	HARRY TURLEY AND SON		GREENVILLE	62246	IL
33-03-0211	OUETT & GEORGE ROBINSON	RR 1	CAPRON	61012	IL
33-03-0243	E H ELLINGSON AND SON		POPLAR GROVE	61065	IL
33-03-0512	MYRLANO AND HULSTEDT	2052 LINCOLN PARK	CHICAGO	60614	IL
33-03-0617	LOUIS POEHLS	RR 1	CHERRY VALLEY	61016	IL
33-03-0712	EUGENE SIMERL	RR 1	POPLAR GROVE	61065	IL
33-05-0150	EDWARD BOHM AND SON	RR 2	LA MOILLE	61330	IL
33-05-0445	EUGENE AND CHRIS KUNKEL	RR 1	GRANVILLE	61326	IL
33-05-0475	KEVIN LYONS		GRANVILLE	61326	IL
33-05-0511	PAUL MCOONALD AND SON	1624 S MAIN ST	PRINCETON	61356	IL
33-07-0143	KENNETH ERBSEN	RR 2	LANARK	61046	IL
33-09-0001	UNIVERSITY OF ILLINOIS	AYSHIRE HERO	URBANA	61801	IL
33-09-0002	UNIVERSITY OF ILLINOIS	GUERNSEY HERO	URBANA	61801	IL
33-09-0003	UNIVERSITY OF ILLINOIS	HOLSTEIN HERD	URBANA	61801	IL
33-09-0005	UNIVERSITY OF ILLINOIS	BROWN SWISS HERD	URBANA	61801	IL
33-09-0141	LESLIE AND GENE BATEMAN		MANSFIELD	61854	IL
33-09-0152	EDGAR BUSBOOM		THOMASBORO	61878	IL
33-09-0352	RICHARD HAROY	RR 1	RANTOUL	61866	IL
33-09-0410	C LESLIE JAMES		MANSFIELD	61854	IL
33-09-0718	MARVIN SCHLUTER	RR 1	GIFFORO	61847	IL
33-10-0174	DAIRY KING FARMS INC	RR	ROSAMONO	62803	IL
33-10-0412	CLEO JOSTES	RR 1	ROSAMONO	62083	IL
33-10-0671	ORLO RUPPERT AND SONS	RR 2	NOKOMIS	62075	IL
33-11-0147	LUTHER F BROWN	R R 1	MARSHALL	62441	IL
33-11-0613	JAMES E PIFER	RR 2	PALESTINE	62451	IL
33-11-0810	JOHN VAN FLEET	RR 1	MARSHALL	62441	IL
33-11-0910	JOHN AND NORMAN YELEY	RR 5	MARSHALL	62441	IL
33-13-0273	FRUEND BROS	RR 4	CARLYLE	62231	IL
33-13-0311	CORNELIUS GEBKE	RR 1	BARTELSO	62218	IL
33-13-0342	JOHN HORSTMANN	RR 1	BREESE	62230	IL
33-13-0353	HARPSTRIE BROS	RR 2	TRENTON	62293	IL
33-13-0410	LAVERNE JENNE	RR 5	CARLYLE	62231	IL
33-13-0512	ALPHONSE MUELLER	RR 2	GERMANTOWN	62245	IL
33-13-6351	JAMES D HUELS	1491 ABBOTT	CARLYLE	62231	IL

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
33-13-6677	JAMES G RICHTER	RICH LANE FARM	HIGHLAND	62249	IL
33-13-6841	RAYMOND WEINHEIMER		HIGHLAND	62249	IL
33-13-6843	BURNELL WEINHEIMER		HIGHLAND	62249	IL
33-18-0216	PAUL P DEUTSCH	RR 1	SYCAMORE	60178	IL
33-18-0277	FISK AND KEYS	RR 1	SYCAMORE	60178	IL
33-18-0348	LLOYD A HEISNER		ESMOND	60129	IL
33-18-0612	RDY W PARKER	RR 2 CREME ROAD	LOCKPORT	60441	IL
33-18-0676	WALTER RUSSELL	RR 1	WATERMAN	60556	IL
33-18-0711	SCHUMACHER BROTHERS	RR 1	MAPLE PARK	60151	IL
33-18-0717	JOHN SMITH AND HARTMAN	RR 2	HAMPSHIRE	60140	IL
33-21-0114	ALVIN ANDERSON	RR 2	NEWARK	60541	IL
33-21-0176	DAVE & D CHRISTOPHERSON		SHERIDAN	60551	IL
33-21-0453	ARLEY KDETZ AND PITSTICK	RR 1	YORKVILLE	60560	IL
33-21-0522	G E MATLOCK AND SON		YORKVILLE	60560	IL
33-21-0616	HENRY PETERSDRF	RR 1 80X 385	WEST CHICAGO	60185	IL
33-21-0617	RDY W. PARKER	RR 2 CREME ROAD	LOCKPORT	60441	IL
33-21-0672	ROLLING ACRES FARM	RR 1 80X 244	ELGIN	60120	IL
33-21-0716	SOCIETY OF DIVINE WORD		TECHNY	60082	IL
33-21-0719	GERALD SHERMAN AND REX		PLAND	60545	IL
33-24-0213	HENRY J DUST		SHUMWAY	62461	IL
33-24-0470	DALE 8 LOY	RR 1	EFFINGHAM	62401	IL
33-24-0611	FRANKLIN PLATZ AND SONS		SIGEL	62462	IL
33-24-0614	WOODROW PERCIVAL		WATSON	62473	IL
33-24-0673	CALVIN RUFF		STEWARDSON	62463	IL
33-24-0714	ALBERT SCHUMACHER		SIGEL	62462	IL
33-24-0717	DON SIDDENS	RR 1	MASON	62443	IL
33-24-0841	FOSTER WALK AND SDNS	RR 1	NEDGA	62447	IL
33-24-0844	WOLFF HOLSTEIN FARM		MASON	62443	IL
33-25-0471	LAMKINLAND		WATSON	62473	IL
33-31-0212	JAMES DAVIDSON	RR 1	JOLIET	60431	IL
33-31-0356	ARTS FARM	RR 1	MORRIS	60450	IL
33-31-0713	MELVIN YUNKER	80X 294	MINDOKA	60447	IL
33-36-0512	RICHARD MUEHLING		CISSNA PARK	60924	IL
33-36-0846	AUDREY WAGNER	RR 1	CISSNA PARK	60924	IL
33-36-9143	LDREN 8AUER	RR2	RANKIN	60960	IL
33-37-0210	LAVERN DIETZ		DE SOTO	62924	IL
33-37-0213	HOWARD DAVIE	RR 2	JONESBORO	62952	IL
33-37-0510	FRED MCLAUGHLIN	RR 3	MURPHYSBORO	62966	IL
33-37-0710	SOUTHERN ILL UNIVERSITY		CARBONDALE	62901	IL
33-38-0410	JANSEN DAIRY FARM	RR	TEUTONPOLIS	62467	IL
33-38-0411	RICHARD JANSEN	RR 4	NEWTON	62448	IL
33-40-0213	CAROL LEE DAY	RR 2	JERSEYVILLE	62052	IL
33-41-0170	HOMER AND RICHARD CURTIS	RR 2	STOCKTON	61085	IL
33-41-0211	DOUBLER FARM INC	RR 2	WARREN	61087	IL
33-41-0351	MELVIN OFFENHEISER	RR 1 80X 37	ELIZABETH	61028	IL
33-41-0441	DUANE & A KUPERSMITH		STOCKTON	61085	IL
33-41-0510	W M MCFADDEN AND SON	RR 1	APPLE RIVER	61001	IL
33-41-0540	RALPH NOLLER AND SONS	RR 1	STOCKTON	61085	IL
33-41-0671	HARLAN E REUSCH	RR 2	ELIZABETH	61028	IL
33-41-0718	SIMMONS DAIRY FARM	RR 1	STOCKTON	61085	IL
33-41-0721	STEINLE BROTHERS	RR 1	GALENA	61036	IL
33-43-0155	MARION M & OSCAR BEHLING	RR 1 80X 303C	ST CHARLES	60174	IL
33-43-0161	DELANO BRUENS	RR 2 80X 96	HAMPSHIRE	60140	IL
33-43-0240	JOE EINWICH	RR 1	GENOA	60135	IL
33-43-0352	CLAYTON HOLCOMB	RR 1	MAPLE PARK	60151	IL
33-43-0356	HARTMANN FARMS	RR 2	DUNDEE	60118	IL
33-43-0410	ROBERT JOHNSEN AND SON	RR 1 80X 43	ST CHARLES	60174	IL
33-43-0418	JAY JOHNSEN	RR 1 80X 194	ELBURN	60119	IL
33-43-0472	OLSON AND WANTZ	RR 3 80X 91 LONG L	WEST CHICAGO	60185	IL
33-43-0511	MCQUEEN AND THOMPSON	RR 3 80X 78	ELGIN	60121	IL
33-43-0515	MOOSEHEART FARM		MOOSEHEART	60539	IL
33-43-0546	JOHN NEPERMANN	RR 3 80X 79	ELGIN	60120	IL
33-43-0676	I N AND RAYMOND RUSSELL	RR 3 80X 185	ELGIN	60120	IL
33-43-0683	ED AND LES ROHLWING	RR 2 80X 30	HAMPSHIRE	60140	IL
33-43-0712	ERLING SONJU	RR 1	HAMPSHIRE	60140	IL
33-43-0724	RALPH SPRINGINSGUTH	RR 2 80X 149	MAPLE PARK	60151	IL
33-43-0725	WARREN SCHURING	RR 2 80X 198	ELGIN	60120	IL
33-43-9218	DICKINSON AND DICKERSON	RR 1 80X 159	SOUTH ELGIN	60177	IL
33-44-0147	JAMES BUTLER JR		CHEBANSE	60922	IL
33-44-0171	NEWELL N CHACE	RR 3	ST ANNE	60964	IL
33-44-0245	JOHN AND PAUL EMLING		ESSEX	60935	IL
33-44-0310	GOODWIN 8ROS	RR 1	WILMINGTON	60481	IL
33-44-0311	FRANK GOODWIN	RR 1	WILMINGTON	60481	IL
33-44-0413	WILLIAM JENSEN	RR 2 80X 145	KANKAKEE	60901	IL
33-44-0514	CALVIN MEYER AND SON		PEOTONE	60468	IL
33-44-0570	GILBERT OHM AND SON	RR 1	GRANT PARK	60940	IL
33-44-0571	S BOUCHARD AND OLSEN	RR 1	HERSCHER	60941	IL
33-44-0725	DONALD STAUFFENBERG	RR	MANTENO	60950	IL
33-44-0728	ROBERT SHENK	RR 2 80X 86	WILMINGTON	60481	IL
33-46-0312	ROSS GRIFFITH	RR 2	GALESBURG	61401	IL
33-46-0440	KINGSDALE FARMS	RR 1	ONEIDA	61467	IL
33-46-0712	PERRY L SERVEN AND SON	RR 1	ST AUGUSTINE	61474	IL
33-46-0713	CHARLES W SCHLEICH & SON	RR 1	FAIRVIEW	61432	IL
33-46-0714	A SNYDER AND SONS		FARMINGTON	61531	IL
33-48-0342	CLARENCE HENRY		SENECA	61360	IL

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
33-48-0519	WENDELL MAGEE		WASHBURN	61570	IL
33-48-0672	MAX RYAN		TONICA	61370	IL
33-48-0713	WALTER AND DAVID SNOOK	RR 2	OTTAWA	61350	IL
33-48-0716	JACK K SCHOEPEKE		VARNA	61375	IL
33-48-0717	EUGENE SCHOEPEKE		VARNA	61375	IL
33-48-0741	JAMES C THOMSON	RR 1	UTICA	61373	IL
33-48-0812	RUSSELL F VOGEN		NEWARK	60541	IL
33-50-0345	ELMER HOOGES & MIOOLETON	RR 1	DIXON	61021	IL
33-50-0448	LEROY KREGER & A BROOKS	RR 3	OIXON	61021	IL
33-50-0524	ALFREO E MEYER	RR 1 ALJOAN FARM	AMBOY	61310	IL
33-50-0612	RONALD PRATT AND COLLINS	RR 4	DIXON	61021	IL
33-50-0852	ART BARNHART & SPERLING	RR 2	AMBOY	61310	IL
33-51-0150	BARRON BROS	RFD 3	STREATOR	61364	IL
33-51-0443	FREO KYBURZ		CHATSWORTH	60921	IL
33-51-0540	THOMAS NOLAN AND SONS	RR 1	PONTIAC	61764	IL
33-51-0742	GLEN AND BOYO TOMBAUGH	RR 2	STREATOR	61364	IL
33-51-9440	JAMES V KEELEY JR	RR 2	FAIRBURY	61739	IL
33-51-9671	ROESCHLEY BROTHERS	RR 1	FLANAGAN	61740	IL
33-52-0713	HUBERT STOLL		CHESTNUT	62518	IL
33-54-0141	CHARLES R BIERBAUM	RR 3	LITCHFIELD	62056	IL
33-54-0672	A L AND R L RHINE		WAGGONER	62572	IL
33-54-0711	TRUMAN POCKLINGTON		SHIPMAN	62685	IL
33-54-0740	ALLEN AND BEVERLY TUCKER	RR 1	BRIGHTON	62012	IL
33-55-0145	HAROLO AND CARL BAUMANN	RR 2	HIGHLAND	62249	IL
33-55-0147	JIM BEANE	RR 2	GOOFREY	62035	IL
33-55-0270	WILBUR FEDERER		ALHAMBRA	62001	IL
33-55-0271	JOE AND EOWIN FESSLER	RR 1	DOW	62022	IL
33-55-0343	MILTON HITZ		HIGHLAND	62249	IL
33-55-0472	MRS FREOA LINENBROKER	RR 1	WORDEN	62097	IL
33-55-0510	EUGENE MEFFERT	RR 3	HIGHLAND	62249	IL
33-55-0718	LELANO STEINER	RR 1	HIGHLAND	62249	IL
33-55-0719	MARVIN STILLE		ALHAMBRA	62001	IL
33-55-0841	VERNON WARNECKE	RR 2	POCAHONTAS	62275	IL
33-55-0940	HENRY ZOELZER		MORO	62067	IL
33-61-0124	AMES BROS	RR 1 80X 194 ROU	ZION	60099	IL
33-61-0125	AHRENS-HUFF-ACRES	9405 WONOERMERE RO	WOODSTOCK	60098	IL
33-61-0166	ERHAROT BAUMAN AND SON	7908 S UNION ROAD	UNION	60180	IL
33-61-0220	WM DAVIDSON & SONS	4817 PAGLES ROAD	HARVARO	60033	IL
33-61-0244	ELMWOOD FARMS INC	RR 2 BOX 2008 RO	ANTIOCH	60002	IL
33-61-0279	JOE FLORENT	24211 CARMACK RO	MARENGO	60152	IL
33-61-0280	GEORGE AND MARION FRUIN	RR 1	HUNTLEY	60142	IL
33-61-0282	EMERSON W FELL	RR 1 BOX 51	HUNTLEY	60142	IL
33-61-0310	ROBERT W GARONER	4219 W SOLON ROAD	SOLON MILLS	60080	IL
33-61-0311	HENRY GROSSEN	10816 CARLS ROAD	MARENGO	60152	IL
33-61-0326	GLOEN OAKS FARMS	RANO AND BONNER RO	WAUCONOA	60084	IL
33-61-0327	GELATIN CO FARM	RR 1 8X 16 RT 120	GRAYSLAKE	60030	IL
33-61-0328	KENNETH & ORVILLE GREVER	RR 2 80X 119	LAKE ZURICH	60047	IL
33-61-0365	ELMER HILL AND SON	17421 MARENGO ROAD	UNION	60180	IL
33-61-0368	RONALO VOHS & EARL HUGHS	917 OIMMEL ROAD	WOODSTOCK	60098	IL
33-61-0414	LAWRENCE JOHNSON	10206 JOHNSON ROAD	HEBRON	60034	IL
33-61-0449	RUOOLPH KOENIG JR	7611 MILLER RO	CRYSTAL LAKE	60014	IL
33-61-0460	HARRY KING	3907 WEST RINGWOOD	MCHENRY	60050	IL
33-61-0510	MAR RAL FARM	RR 1 8X 63	ALGONQUIN	60102	IL
33-61-0541	RALPH NICHOLS AND SON	13811 NICHOLS ROAD	HEBRON	60034	IL
33-61-0632	ROBERT L PETERSON	B 36 10212 MAIN ST	HEBRON	60034	IL
33-61-0684	HERBERT E RENNER	RR 1	WOODSTOCK	60098	IL
33-61-0685	ROBERT HUNTER	RR 2 80X 213A	ANTIOCH	60002	IL
33-61-0687	WALTER J RONEY SR	RR 1 BOX 54	GRAYSLAKE	60030	IL
33-61-0735	HAROLO STILLING	711 SOUTH ROUTE 31	MCHENRY	60050	IL
33-61-0749	PAUL TOLSMAN	11022 S GRANT HWY	MARENGO	60152	IL
33-61-0812	LEONARO VEAR & J SWAAG	306 BUSSE ROAD	MARENGO	60152	IL
33-61-0856	LAWRENCE WORM	3311 NORTH QUEEN	WOODSTOCK	60098	IL
33-61-0940	FRANK ZARNSTORFF JR	11117 ZARNSTORFF R	RICHMOND	60071	IL
33-61-1147	RONALO BAUMAN	17102 MARENGO RO	DUNION	60180	IL
33-61-1340	NORMAN E HEINRICH	7939 RTOGEFIELO RO	CRYSTAL LAKE	60014	IL
33-61-1346	ALLEN HEIMSOOTH	P O BOX 284	UNION	60180	IL
33-61-1351	STAHLECKER AND HAROT	18918 BUNKER HILL	WOODSTOCK	60098	IL
33-61-1512	ROBERT MILLER	RR 1 BOX 26	HUNTLEY	60142	IL
33-61-1513	DAVID MORITZ	1525 VERMONT ROAD	WOODSTOCK	60098	IL
33-61-1518	FLOYD B MEINKE	16614 HARMONY ROAD	HUNTLEY	60142	IL
33-61-1719	R STRICKER & R BEERS	24815 PERKINS RD	HARVARO	60033	IL
33-61-1731	DOUGLAS SHANKS	RR 2 80X 396	MUNDELEIN	60060	IL
33-61-1732	MAYNARD A STOHLQUIST	503 N ROUTE 23	MARENGO	60152	IL
33-61-1843	CLARENCE & ROBERT WIESE	5619 PETERSON RD	UNION	60180	IL
33-61-6324	ROBERT GERLOFF	14804 PERKINS RD	WOODSTOCK	60098	IL
33-61-6347	LEE HENNING	10013 COYNE STA RO	HUNTLEY	60142	IL
33-61-6478	LOHMEYER BROS	16210 NELSON ROAD	WOODSTOCK	60098	IL
33-62-0111	EARL ALWES	RR 4	BLOOMINGTON	61701	IL
33-62-0112	ROGER ARENDS		MELVIN	60952	IL
33-62-0150	ROBERT BUTLER	RR 1	ARROWSMITH	61722	IL
33-62-0211	LOWELL DUERINGER AND SON		MELVIN	60952	IL
33-62-0325	HAROLO AND LONNIE GROVE		CARLOCK	61725	IL
33-62-0413	BOBBY JOHNSON AND SONS	RR 2	CHENOA	61726	IL
33-62-0442	KRAUS AND MURPHY		CHENOA	61726	IL
33-62-0474	LAESCH BROS	RR 1	NORMAL	61761	IL

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
33-62-0476	OSCAR LAESCH AND SONS	RR 1	BLOOMINGTON	61701	IL
33-62-0519	FLOYD AND WAYNE MOHR	RR 1	NORMAL	61761	IL
33-62-0570	GLEN ORNS AND SONS	RR 1	SHIRLEY	61772	IL
33-62-0675	CLARENCE ROPP AND SONS	RR 1	NORMAL	61761	IL
33-62-0681	RICHARD RAOER AND SONS		CARLOCK	61725	IL
33-62-0733	ROBERT SCHWOERER AND SON	RR 4	BLOOMINGTON	61701	IL
33-62-0843	GALE WIEGANO	RR 1	CARLOCK	61725	IL
33-62-9241	MYRON EROMAN	RR 2	CHENOA	61726	IL
33-69-0115	WAYNE & GLORIA ANDERSON	RR 1	MT MORRIS	61054	IL
33-69-0143	DONALD AND NEVIN BROWN	RR 2	POLO	61064	IL
33-69-0148	MYRON BABLER	RR 1	MT MORRIS	61054	IL
33-69-0170	W CANFIELD AND UPLAND 3	RR 1	OREGON	61061	IL
33-69-0243	ROBERT ELLIS	RR 2	FORESTON	61030	IL
33-69-0246	BERNARD EMPEN	RR 1	FORESTON	61030	IL
33-69-0271	HARVEY FLOTT & DAUGHTERS	RR 1	MT MORRIS	61054	IL
33-69-0272	C H TAYLOR AND FEARER	RR 3	OREGON	61061	IL
33-69-0344	E H HUGHES SINNIPPI 3	RR 1	OREGON	61061	IL
33-69-0712	O LEARY UPLAND FARM NO 2	RR 1	OREGON	61061	IL
33-69-0716	WM HERWIG SINNIPPI 1		OREGON	61061	IL
33-69-0740	W C HARE AND E S THOMAS	RR 3	POLO	61064	IL
33-69-0911	ROBERT YOUNG		ASHTON	61006	IL
33-70-0170	ARTHUR CLINGINGSMITH		HANNA CITY	61536	IL
33-70-0211	LOREN OALLINGER	HILLCREST FARM	PRINCEVILLE	61559	IL
33-70-0670	FRED ROSENBOHM	RR 3	PEORIA	61600	IL
33-70-0770	LESLIE UNSICKER	RR 1	EDWARDS	61528	IL
33-77-0313	MELVIN GRAVES	RR 2	OUNOAS	62425	IL
33-77-0441	FRED KUENSTLER	RR 4	OLNEY	62450	IL
33-78-0145	GEORGE L BAKER	OANCYVILLE FARM	HILLSDALE	61257	IL
33-78-0210	KEITH OONAN	RR 2	REYNOLDS	61279	IL
33-78-0240	HAROLD PLANN	RR 1 BOX A370	EAST MOLINE	61244	IL
33-79-0345	KENNETH & JOANN HARTMAN	RR 4	WATERLOO	62278	IL
33-79-0511	WAYNE W MENG	RR 2	FREEBURG	62243	IL
33-79-0672	ROSELANE FARMS	RR 1	STEELEVILLE	62288	IL
33-79-0714	WALTER E STEMLER	RR 2	WATERLOO	62298	IL
33-79-0724	LESLIE STUMPF	RR 2	COLUMBIA	62236	IL
33-79-0741	PHILLIP R TAYLOR	RR 2	BELLEVILLE	62220	IL
33-79-0841	WALTER WETZEL	RR 1	WATERLOO	62298	IL
33-79-0848	MELVIN WAGNER	RR 1	MARISSA	62257	IL
33-85-0522	HAROLD & CHRIS MCMLLEN		TOULON	61483	IL
33-85-0672	JOHN F MEYER	RR 1	TOULON	61483	IL
33-85-9710	JOAN STEWART	RR	PRINCEVILLE	61559	IL
33-86-0115	W R ANGLE SR		OAKOTA	61018	IL
33-86-0151	RALPH BUSEKROS	RR 4	FREEPORT	61032	IL
33-86-0153	JOHN E BABLER	RR1	ROCK CITY	61070	IL
33-86-0157	BONEBRIGHT AND HUTMACHER	RR 4	FREEPORT	61032	IL
33-86-0171	DEAN CLAIR		LENA	61048	IL
33-86-0217	LAVERNE OAY & ED ENNENGA	RR 3	FREEPORT	61032	IL
33-86-0280	M FERNSTADT & BORCHERT	RR 3	FREEPORT	61032	IL
33-86-0311	ROBERT AND PAUL GRAYBILL	RR 3	FREEPORT	61032	IL
33-86-0313	REGINOLO GOEKE	RR 1	OAKOTA	61018	IL
33-86-0340	LENARD CLARK AND MYERS		LENA	61048	IL
33-86-0362	ELWOOD HULL	RR 1	ROCK CITY	61070	IL
33-86-0411	JEPSON AND CARTER	RR 3	FREEPORT	61032	IL
33-86-0412	JEPSON AND WISE	RR 1	REO OAK	61066	IL
33-86-0440	ROBERT KAISER	RR 1	OAKOTA	61018	IL
33-86-0443	SAM KLOEPPING		PEARL CITY	61062	IL
33-86-0473	HENRY LILLGE JR		REO OAK	61066	IL
33-86-0510	ROBERT MARIAN	RR 1	ORANGEVILLE	61060	IL
33-86-0511	IVAN AND LOY MCCAULEY	RR 1	OAKOTA	61018	IL
33-86-0527	MARTS PRIOR FARM	RR 2	PEARL CITY	61062	IL
33-86-0541	MERL NIEDERMEIER	RR 1	ROCK CITY	61070	IL
33-86-0542	WESLEY AND WAYNE NEWMAN	RR 2	ORANGEVILLE	61060	IL
33-86-0574	GAYLON AND GARY OBERT		OAKOTA	61018	IL
33-86-0612	MACOMBER FARM	RR 2	LENA	61048	IL
33-86-0619	LYNNON O PITTS	RR 1	WINSLOW	61089	IL
33-86-0682	MARGE AND WM REED	RR 1	ROCK CITY	61070	IL
33-86-0723	ANDERSON AND WISE	RR 1	OAKOTA	61018	IL
33-86-0730	ROBERT WILCO		WINSLOW	61089	IL
33-86-0749	WAYNE TOELKE	RR 1	RIOOTT	61067	IL
33-86-0841	DONALD WELLING	RR 1	OAKOTA	61018	IL
33-86-0847	WESLEY WESSELS		MCCONNELL	61050	IL
33-86-0851	KENNETH WILLIAMS	BOX 67	ELEROY	61027	IL
33-86-0910	GLEN YEOMAN	RR 1	OAKOTA	61018	IL
33-86-0941	MRS GERTRUDE ZWEIFEL	RR 3	ORANGEVILLE	61060	IL
33-86-9110	WILLIAM ANGLE JR		OAKOTA	61018	IL
33-86-9141	RALPH BABLER	RR 1	OAKOTA	61018	IL
33-86-9146	FRED AND JERRY OBERT	RR 3	FREEPORT	61032	IL
33-86-9442	CARL R KELLNER	RR 3	PEARL CITY	61062	IL
33-87-0511	WARREN MILLER	RR 2	PEKIN	61554	IL
33-87-0515	GEORGE MULLER	RR 1	WASHINGTON	61571	IL
33-87-0615	ALVIN & GLENN PAPHENHOUSE	RR 1	TREMONT	61568	IL
33-87-0711	LEROY SUAGER	1040 CAMBRIDGE CRT	WABASH	46992	IN
33-87-0717	J C SCHWEIGERT AND SON	RR 1	TREMONT	61568	IL
33-87-0740	GOTTHOLD TANNER	RR 1	MORTON	61550	IL
33-89-0170	HAROLD CUNOIFF	RR 1	GEORGETOWN	61846	IL

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
33-92-0143	GILBERT BIGHAM AND SONS	80X 17	PINCKNEYVILLE	62274	IL
33-92-0242	KENNETH EADE	RR 1	ADOEVILLE	62214	IL
33-92-0447	KARG BROS	RR 2	COULTERVILLE	62237	IL
33-92-0448	WALLACE KLINGENBERG	80X 251	OKAWVILLE	62271	IL
33-92-0471	EDDIE LACEY	RR 1	WALTONVILLE	62894	IL
33-92-0542	GEORGE NAOOLSKI	RR 2	ASHLEY	62808	IL
33-92-0942	JOHN ZIMMERMAN		COULTERVILLE	62237	IL
33-92-6148	ROBERT C BRINK AND SONS	RR 1	RICHVIEW	62877	IL
33-95-0112	JAMES AGGEN AND BULL	RR 1	MORRISON	61270	IL
33-95-0151	FRANK BELT	RR 2	MORRISON	61270	IL
33-95-0342	ELMER H HABSEN	RR 2	MORRISON	61270	IL
33-95-0344	JOSEPH HEITZLER	RR 2	PROPHETSTOWN	61277	IL
33-95-0353	OUANE HABSEN AND FRENCH	RR 4	STERLING	61081	IL
33-95-0440	OSCAR E KOENIG		TAMPICO	61283	IL
33-95-0470	DOUGLAS RHODES	RR 1	ROCK FALLS	61071	IL
33-95-0471	WELDON AND LESLIE LONG	RR 1	STERLING	61081	IL
33-95-0476	HERBERT LANDHEER	RR 1	LYNDOON	61261	IL
33-95-0480	LEONARD LONG AND LONG	RR 1	STERLING	61081	IL
33-95-0673	LYLE R REED	RR 3	STERLING	61081	IL
33-96-0153	BATTERMAN BROS	RR 1	CRETE	60417	IL
33-96-0172	ELMO CLEMENS & KRUSEMARK		FRANKFORT	60423	IL
33-96-0350	WILBERT LAUFFER		PEOTONE	60468	IL
33-96-0351	GLENN HOLMES	R R 1	PEOTONE	60468	IL
33-96-0352	KENNETH HEISNER		BEECHER	60401	IL
33-96-0443	LAVERN H KOEHN	RR 2	PEOTONE	60468	IL
33-96-0512	WILLIAM MEYER		PEOTONE	60468	IL
33-96-0518	WESLEY MEYER	RR 2	GRANT PARK	60940	IL
33-96-0713	VIRGIL SELK		BEECHER	60401	IL
33-96-0720	REYNOLD SIEMSEN	RR 2	PEOTONE	60468	IL
33-96-0722	ROGER STOEVEN	RR 2	BEECHER	60401	IL
33-96-0810	VALY AND HOMEROING		FRANKFORT	60423	IL
33-96-9812	FRED VON ALVEN & SIMPSON		BEECHER	60401	IL
33-98-0142	ARTHUR BRIOGELANO	RR 1	WINNEBAGO	61088	IL
33-98-0176	KENNETH CROSS	RR 1	DAVIS	61019	IL
33-98-0514	GEORGE MOATE		OURANO	61024	IL
33-98-0530	R MCCULLOCH & DONALDSON	RR 8	ROCKFORD	61100	IL
33-98-0548	R MCCULLOCH & ROGER WARD	RR 8 80X 404	ROCKFORD	61100	IL
33-98-0615	PALMOALE FARM	80X 167A	WINNEBAGO	61088	IL
33-98-0741	HUBERT TROUTMAN	6657 N ROCKTON RD	ROCKFORD	61100	IL
33-98-0848	RICHARD G WESTPHAL	RR 2	WINNEBAGO	61088	IL
33-98-9170	W AND W CARLSON	RR 1	WINNEBAGO	61088	IL
33-98-9613	PINEHURST FARM		ROCKFORD	61100	IL
33-99-0716	RICHARD AND IVAN STEIDER	RR 1	METAMORA	61548	IL
33-99-0944	EARL ZIMMERMAN		EUREKA	61530	IL
34-03-0006	OVERBEEK STANLEY J	80X 209 RFO 2	HAMILTON	49419	MI
34-03-0009	HOFFMASTER HAROLD	R 1	HOPKINS	49328	MI
34-03-0013	BOUWMAN JOHN	R F O 1	E SAUGATUCK	49407	MI
34-03-0023	DONALD JACK & WILFRED	R F O 5	ALLEGAN	49010	MI
34-03-0050	VANRHEE JARVIS	R F O 3	ZEELAND	49464	MI
34-03-0053	COLLIER FRED AND SONS	R F O 5	ALLEGAN	49010	MI
34-03-0090	COOKE F CLIFFORD	R F O 1	OORR	49323	MI
34-03-0178	HENNINGSON O & SONS	ROUTE 1	SHELBYVILLE	49344	MI
34-03-0219	POTTER BROTHERS	RFO 1	WAYLAND	49348	MI
34-03-0259	KAECHLE G R AND F J	R F O	WAYLAND	49348	MI
34-03-0795	KUPERUS JOHN N	R1 144 AVE 1927 ST	OORR	49323	MI
34-06-0014	BRAZON LOUIS	R F O 1	STANISH	48658	MI
34-08-0014	WING PAUL	R F O 3	BELLEVUE	49021	MI
34-08-0025	JONES FLOYD	R F O 1	HICKORY CORNE	49060	MI
34-08-0029	BIVENS LA VERN	R F O 3	BELLEVUE	49021	MI
34-08-0048	CAIRNS CLARENCE	R F O 4	HASTINGS	49058	MI
34-08-0056	JARRARD WAYNARD	R F O 3	NASHVILLE	49073	MI
34-08-0079	LONG HUBERT	R F O 1	WOODLAND	48897	MI
34-08-0081	FISH JAMES	LOCKSHORE FARMS	HICKORY CORNE	49060	MI
34-08-0178	KALNINS KARLS	RFO 1	MIDDLEVILLE	49333	MI
34-09-0009	SCHUMACHER L J & SONS	R F O	MUNGER	48747	MI
34-09-0041	SCHWAB HUGO AND SONS	PINEVIEW RIDGE FAR	STANISH	48658	MI
34-10-0005	BARBER CARL	R F O	EMPIRE	49630	MI
34-11-0018	ZECH ANDREW	R F O	BERRIEN SPRIN	49103	MI
34-11-0037	VILLWOCK CLARENCE & SONS	R F O 3	NILES	49120	MI
34-11-0051	HUOSON BROTHERS 2	R F O	BERRIEN CENTE	49102	MI
34-11-0067	BECK EARL AND SON	R F O	BUCHANAN	49107	MI
34-11-0068	STRAUB OGDEN AND OGDEN	R F O	GALIE	49113	MI
34-11-0086	SHULER AND SONS	R F O	BARODA	49101	MI
34-11-0096	LOZMACK GEORGE	R F O 2	THREE OAKS	49128	MI
34-11-0188	TOTZKE BUO	TOTZKE ROAD R 1	BARODA	49101	MI
34-12-0001	DUNKS SHELDON & NINA	R F O 2	UNION CITY	49094	MI
34-12-0013	SHOOK HAROLD & STEPHEN	MAYLEE MANOR R 2	QUINCY	49082	MI
34-12-0064	OLNEY WAYNE	R F O 2	COLDWATER	49036	MI
34-12-0070	HUGHES ALFRED	R F O	QUINCY	49082	MI
34-12-0073	BOWERMAN EVERETT & EO	R F O	QUINCY	49082	MI
34-12-0095	PORTER PAUL	R F O 2	QUINCY	49082	MI
34-12-0527	COLLINS MICHAEL	R 1 COLLINS JERSEY	ORLANDO	46776	IN
34-12-0535	BACHELOR MAX	ROUTE 3	ANGOLA	46703	IN
34-13-0005	LAKE & PIEPKOW	R F O 1	OLIVET	49076	MI
34-13-0015	GREEN ARCHIE	R F O 1	HOMER	49245	MI

TABLE 7. LIST OF HERD-OWNERS (CONTINUEO).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
34-13-0022	JCHNSON OON	R F D 2 80X 688	BATTLE CREEK	49017	MI
34-13-0049	KNUTH RAY AND SONS	R 3	HOMER	49245	MI
34-13-0090	COLLIER WILLIAM W	R F D 3	ALBION	49224	MI
34-13-0116	HEISLER HAROLD & DUANE	ROUTE 2	SPRINGPORT	49284	MI
34-13-0143	HARRIS RONALD	ROUTE 4	MARSHALL	49068	MI
34-13-0153	LUTZ LEO	ROUTE B 80X 164	BATTLE CREEK	49017	MI
34-13-0163	SMITH L W	R 9 80X 202	BATTLE CREEK	49014	MI
34-13-0167	FURU DONALD	R F O 1	CERESCO	49033	MI
34-13-0191	DENSHAM WILLIAM L	ROUTE 1 80X 177	CERESCO	49033	MI
34-13-0208	BALOWIN AND BRIGHAM	R F D 1	LITCHFIELD	49252	MI
34-13-0226	AVERY BROTHERS	R F D 1	HOMER	49245	MI
34-18-0002	PENROSE LOWELL	R 2 BEVERTON ROAD	CLARE	48617	MI
34-18-0175	REGER JUNIOR	RFD 2	CLARE	48617	MI
34-19-0005	COBB A W & SON	R F O	ELSIE	48831	MI
34-19-0016	ANDERSON DALE	R F O	ST JOHNS	48879	MI
34-19-0018	GREEN DUANE & VELMAR	R F O 3	ELSIE	48831	MI
34-19-0025	MEHNEY ROSTAN & SON	RT 2	ST JOHNS	48879	MI
34-19-0027	ORMSBY RUSSELL	ROUTE 6	ST JOHNS	48879	MI
34-19-0049	MILLER LEON	RFO 1 AIRPORT ROAD	ST JOHNS	48879	MI
34-19-0081	JACKSON ERNEST	R F D 2	OVIO	48866	MI
34-19-0083	BECKER JIM & JERRY	R 2 LAWECA FARMS	ST JOHNS	48879	MI
34-19-0100	ORMSTON FRANK & LEE	ROUTE 6	ST JOHNS	48879	MI
34-19-0104	SMITH GEORGE	RFO 5	ST JOHNS	48879	MI
34-19-0106	OELAMATER EO	R F D 3	GRAND LEDGE	48837	MI
34-19-0107	MAYERS WILLIAM	R F O 2 WALKER ROAD	ST JOHNS	48879	MI
34-19-0126	WITT DONALD AND SON	R 4	ST JOHNS	48879	MI
34-19-0161	MARTEN ERVIN H	R F D 2	OEWITT	48820	MI
34-19-0170	WILCOX ROBERT J	ROUTE 2	OVIO	48866	MI
34-23-0006	WILLIAMS CLIFTON	RFO 2	EATON RAPIDS	48827	MI
34-23-0015	WILMORE LOREN	R F O 5	CHARLOTTE	48813	MI
34-23-0037	MAY WALOO E & SON	LONGACRES RT 3	EATON RAPIDS	48827	MI
34-23-0073	WILLIS DONALD	MILLER DAIRY FARM	EATON RAPIDS	48827	MI
34-23-0096	PARR C H & C R	ROUTE 1	CHARLOTTE	48813	MI
34-23-0180	MORRIS JONNIE	R F O 1	VERMONTVILLE	49096	MI
34-23-0593	ROGERS NEAL	ROUTE 1	EATON RAPIDS	48827	MI
34-23-0642	GRIER JAMES	MILLEBURG ROAD	CHARLOTTE	48813	MI
34-25-0001	ZIMMERMAN PETHER BRIDGE	10486 THAYER ROAD	ORTONVILLE	48462	MI
34-25-0033	MC DONALD W A	6252 PERRY ROAD	GRAND BLANC	48439	MI
34-25-0036	SKINNER JEPHTA	BIRD RD	LINDEN	48451	MI
34-25-0059	MILES W	1406 N ELM	FLINT	48500	MI
34-25-0074	POTTER HOWARD & SON	4210 S GENESEE	GRAND BLANC	48439	MI
34-25-0083	SWANSON CARL J	9224 OUFIELD ROAD	GAINES	48436	MI
34-25-0084	BLOSS F D	8370 W REIO ROAD	SWARTZ CREEK	48473	MI
34-25-0117	BURROUGHS GEORGE	2151 W COOK	GRAND BLANC	48439	MI
34-25-0199	DAVIS FLOYD	11404 MT MORRIS	FLUSHING	48433	MI
34-28-0024	BANCROFT A W & SONS	ROUTE 1	BUCKLEY	49620	MI
34-29-0032	CARY CHARLES	R F D 3	ALMA	48801	MI
34-29-0036	BOTT ROBERT & SONS	RFO BOTTHAVEN FARM	BRECKENRIDGE	48615	MI
34-29-0057	SHERRICK OLAN	R F O	MIDDLETON	48856	MI
34-29-0112	TROUB LELAND	ROUTE 2	CARSON CITY	48811	MI
34-29-0133	KRETZSCHMAR HENRY	R F O 2	ST LOUIS	48880	MI
34-30-0004	WELLS ALVIN J	R F D	NORTH ADAMS	49262	MI
34-30-0042	BAKER CARL	R F O	JONESVILLE	49250	MI
34-30-0048	BROWN KEITH	RFO	JONESVILLE	49250	MI
34-30-0051	AMES LYLE	R F O 3	HUOSON	49247	MI
34-30-0064	CLEMENT ROBERT	R F O 2	PITTSFORD	49271	MI
34-30-0156	GIER GEORGE	R F O 2	OSSEO	49266	MI
34-30-0174	GOOFREY WALLACE & SON	R F O 1	JONESVILLE	49250	MI
34-30-0184	KEENAN TEO	RFO	OSSEO	49266	MI
34-30-0196	LA FOLLETTE DONALD	ROUTE 2	PITTSFORD	49271	MI
34-30-0202	PATRICK LAWRENCE	RFO 2	PITTSFORD	49271	MI
34-30-0297	LASHAWAY E & SONS	461 BURT RD R 3	HILLSDALE	49242	MI
34-32-0001	NUGENT WM	R F O 2	BAO AXE	48413	MI
34-32-0004	KRAUSS R E & GREGORY F	RFO	SEBEMING	48759	MI
34-32-0019	HEWITT HENRY D & SON	4317 PEGION RD	ELKTON	48731	MI
34-32-0021	PANGBORN ALBERT	R F D 4	BAO AXE	48413	MI
34-32-0057	GORKOWSKI PETER	R F O 3	BAO AXE	48413	MI
34-32-0067	NUGENT GARY	R F D	BAO AXE	48413	MI
34-32-0088	PROTZMAN BRUCE D	R F O	CASEVILLE	48725	MI
34-32-0092	BUCHHOLZ WILLIAM	R F O	PIGEON	48755	MI
34-32-0102	GREMEL HAROLD JR	9393 CANBORO	SEBEMING	48759	MI
34-32-0104	HEWITT HAROLD J & SONS	R 1	BAO AXE	48413	MI
34-33-0002	M S U DAIRY DEPT		EAST LANSING	48823	MI
34-33-0019	LOTT MARVIN	RT 4	MASON	48854	MI
34-33-0027	COVERT GEORGE	R F O 1	LESLIE	49251	MI
34-33-0040	GRAF FRED	R F D	STOCKBRIDGE	49285	MI
34-33-0047	WILSON LEWIS	RT 3	MASON	48854	MI
34-33-0048	DANSEY TEO ATTN	R 3 WIL RU FARMS	WILLIAMSTON	48895	MI
34-33-0057	CHAMBERLAIN R O	RFD 4	LESLIE	49251	MI
34-33-0068	OEEG BRUCE	ROUTE 1	MASON	48854	MI
34-33-0121	SHAW DOUGLAS B	ROUTE 2	MASON	48854	MI
34-33-0125	WILCOX WAYNE & DONNA	R 1 WAVERLY HILL	EATON RAPIDS	48827	MI
34-33-0133	GRAF BROS	R F D	DANVILLE	48819	MI
34-33-0160	JORGENSEN JERRY	R F O	WEBBERVILLE	48892	MI
34-33-0175	RAY W & STOFER MELVIN	R F D 1	WILLIAMSTON	48895	MI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
34-33-0182	BALL DALE	637 GROVE	EAST LANSING	48823	MI
34-33-0225	MCCALLA FRANK	1694 DANVILLE RD	MASON	48854	MI
34-33-0232	DOUGLAS DON	R F O 1	WEBBERVILLE	48892	MI
34-33-0251	SMITH NANCY R	RT 3 BOX 25	WILLIAMSTON	48895	MI
34-33-0274	STERLE WILLARD	1740 KIRBY ROAD RT	LESLIE	49251	MI
34-33-0299	OCONNOR PATRICK	ERIN KNOLL FARM	WILLIAMSTON	48895	MI
34-33-0331	MINNIS CARL	HOWELL RD	WEBBERVILLE	48892	MI
34-34-0021	MARTIN HARRY	RT 3	IONIA	48846	MI
34-34-0038	HUNSBERGER LYLE	RT 3	IONIA	48846	MI
34-34-0046	BELAND HENRY & DALLAS	R 1	LAKE ODESSA	48849	MI
34-34-0056	ARMSTRONG TEO	R F O 3	LAKE ODESSA	48849	MI
34-34-0126	GASPER LEWIS AND SON	R F O 1	BELOING	48809	MI
34-34-0581	BUTH AND RIESBIG	1510 NICKLE PLATE	IONIA	48846	MI
34-35-0003	CURRY WALDO	R F D 1	TAWAS CITY	48763	MI
34-37-0004	STEVENS JOSEPH & SON	R F D 1	MT PLEASANT	48858	MI
34-37-0018	RECKER ROBERT	R F O 3	SHEPHERO	48883	MI
34-37-0062	MDEGGENBERG VINCENT	R F O 3	SHEPHERO	48883	MI
34-37-0216	THIELEN DONALD	RFO	MT PLEASANT	48858	MI
34-38-0027	CLARK CONRAD G	ROUTE 1	SPRINGPORT	49284	MI
34-38-0069	MEAD DEAN	RFD	SPRINGPORT	49284	MI
34-38-0076	MICH STATE PRISON	ATTN DAIRY FARM SU	JACKSON	49201	MI
34-38-0101	CARSON AND SEIFERT	8560 FAY LAKE RD	BROOKLYN	49230	MI
34-38-0143	RUTZ R AND PALMI A H	ATTN R RUTZ RFD 1	SPRINGPORT	49284	MI
34-38-0168	DE LAND MELVIN	R F D 1	BROOKLYN	49230	MI
34-38-0213	DUNBAR R G	R2 ATTN JERRY HAYE	BROOKLYN	49230	MI
34-39-0002	BROWN C & SON	5154 WEST H AVE	KALAMAZOO	49001	MI
34-39-0004	KIRKLIN DALE	RFD 3	KALAMAZOO	49001	MI
34-39-0014	FRENCH NORMAN	10004 W MICHIGAN A	KALAMAZOO	49001	MI
34-39-0028	FROST WILLARD	R F D 1	FULTON	49052	MI
34-39-0030	PETERSON EDWARD	R F O B	KALAMAZOO	49001	MI
34-39-0042	W K KELLOGG FARM	R F O 1	HICKORY CORNE	49060	MI
34-39-0107	MEIER JOHN W	8682 S 36 ST	SCOTTS	49088	MI
34-39-0119	HORSFALL STANLEY	R F O 1	SCOTTS	49088	MI
34-39-0311	STARZ RONALD	ROUTE 1	CLIMAX	49034	MI
34-39-0336	BLANCHARD RICHARD O	5750 W B AVE RFD 1	PLAINWELL	49080	MI
34-41-0001	SMITH E & GOOD JERRY	MED D BLOOM FARMS	CALEDONIA	49316	MI
34-41-0003	BRADFORD NORM	5935 KIES ROAD	ROCKFORD	49341	MI
34-41-0010	FUSS PAUL	14024 68 TH ST R 2	ALTO	49302	MI
34-41-0014	ROTH FRED AND SON	C/O A RDTH	LOWELL	49331	MI
34-41-0043	GOLDNER VIRGIL	RR 2	ROCKFORD	49341	MI
34-41-0059	POST WILLIAM	245 92ND ST	BYRON CENTER	49315	MI
34-41-0068	WIERSMA F & ALVERSON C	ROUTE 3	BYRON CENTER	48418	MI
34-41-0079	MEYER DEWEY & SONS	ROD ER OIC FARM R	BYRON CENTER	49315	MI
34-41-0185	PDWELL RUSSEL	ROUTE 1	ROCKFORD	49341	MI
34-41-0193	VOETBERG WENDELL	7157 KALAMAZOO AVE	CALEDONIA	49316	MI
34-41-0195	PETERSEN RAYMOND	R 2	SPARTA	49345	MI
34-41-0201	RICHMOND HARRY AND SON	ROUTE 1	LOWELL	49331	MI
34-41-0206	WELLER VIC & SON	ROUTE 2	ROCKFORD	49341	MI
34-41-0208	BAIRO ALLEN & BRUCE	80X 58 RFD 1	LOWELL	49331	MI
34-44-0017	DOHERTY FRANCIS	R F O	BROWN CITY	49912	MI
34-44-0044	CURREY ROBERT	R F D 6937 DRYDEN	ALMONT	48003	MI
34-44-0119	VESELY GENE APACHE	904 MORRIS RD RANC	LAPEER	48446	MI
34-44-0130	KARASIEWICZ C J	R F O	BROWN CITY	49912	MI
34-44-0190	LUDWIG BILL	4662 LUM RD	LUM	48452	MI
34-44-0234	BURLEY LLOYD N & SON	4431 PIERSONVILLE	COLUMBIANVILLE	48421	MI
34-44-0284	GRAHAM MARTIN	3005 GAILSBRAITH LN	BROWN CITY	49912	MI
34-44-0693	BISHOP GILBERT	4761 BISHOP ROAD	DRYDEN	48428	MI
34-44-0860	GINGELL NEWELL & SONS	6277 GOSLINE RD	BROWN CITY	48416	MI
34-46-0005	HART W P	HARTLAND FARMS	CLAYTON	49235	MI
34-46-0011	HUTCHINSON MYRON EARL	R F O 2	CLAYTON	49235	MI
34-46-0066	CARNAHAN CLARE	R F D 4	ADRIAN	49221	MI
34-46-0072	EMMONS KEN & ROGER	R F D 2	MORENCI	49256	MI
34-46-0085	RUESINK LLOYD AND SON	R F O 3	ADRIAN	49221	MI
34-46-0086	RUSSELL ROLAND	R F O 16	ADRIAN	49221	MI
34-46-0108	SQUIRES L JAMES	8447 RIDGE HIGHWAY	BRITTON	49229	MI
34-46-0111	BROOKS ALTON & SON	R F O	DUNSTON	49265	MI
34-46-0132	WOLF HAROLD & ROGER	RFO 2	MORENCI	49256	MI
34-46-0133	BEHM WILLARD	R 1 ENG AMER FARM	ADRIAN	49221	MI
34-46-0197	ALLEN GEORGE	JOR DONNA FRM RFO	TIPTON	49287	MI
34-46-0231	HARDY RAYNOR	R F O	TIPTON	49287	MI
34-46-0459	REISTER ARNOLD & SONS	ROUTE 1	SAND CREEK	49279	MI
34-46-0620	HART PHILLIP L	ROUTE 2	CLAYTON	49235	MI
34-47-0014	RUTTMAN FRANK ROBERT	R 3 LONG CREEK FAR	FOWLERVILLE	48836	MI
34-47-0024	HANSON GLEN	848 WRIGHT ROAD	HOWELL	48843	MI
34-47-0055	ROBB GEDRGE	R F D 1	FOWLERVILLE	48836	MI
34-47-0071	PECKENS KENNETH	R F D 4	HOWELL	48843	MI
34-47-0110	BULLOCH ROBERT	11585 OUNHAM RD	HARTLAND	48029	MI
34-47-0117	COOK RAY & JIM	8YRDN RD ROUTE 4	HOWELL	48843	MI
34-49-0004	FUERSTENAU GORDEN &	RFD 1	RICHMOND	48062	MI
34-49-0005	MCKIERNAN JOHN & SONS	31680 FUERSTENAU	RICHMOND	48062	MI
34-49-0016	HOUGH CHARLES	7480 37 MILE 9	ROMEO	48065	MI
34-49-0027	HARTWAY KEN	R F O 3	RICHMOND	48062	MI
34-49-0076	COLBY HOWARD H	COLBYDALE FARMS	ROMEO	48065	MI
34-53-0001	WOOD MERLE	R F O 1	SCOTTVILLE	49454	MI
34-53-0004	PLEINESS WM & HARLAN	R F O 1	SCOTTVILLE	49454	MI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
34-53-0008	SCHWASS CARL AND JAMES	R 1	SCOTTVILLE	49454	MI
34-53-0011	HASENBANK WM JR & RD8T	RT 2	FRESDIL	49411	MI
34-53-0013	THURDW RD8ERT	RT 1	SCOTTVILLE	49454	MI
34-53-0030	GROTH WALTER	RFD 2	SCOTTVILLE	49454	MI
34-53-0048	MAVIS RUSSELL	R F D 1	CUSTER	49405	MI
34-53-0052	CREGG HARRIS AND SDN	R F D 2	SCOTTVILLE	49454	MI
34-54-0001	HATFIELD FARMS	R F D 1	REMUS	49340	MI
34-54-0006	BOYD KENT	R F D 1	HERSEY	49639	MI
34-54-0015	APPELGREEN MARTIN	RT 2	81G RAPIDS	49307	MI
34-54-0066	THOMPSON RDY	RFD	MECOSTA	49332	MI
34-54-0495	MCNEILLY LDUIS	RR 1	8ARRYTON	49305	MI
34-55-0024	PHILIBECK JOHNNG	RFD PHILIBECK FARM	MENOMINEE	49858	MI
34-55-0027	BDWERS ELDON	R F D	STEPHENSON	49887	MI
34-55-0060	THDNEY NICK	R F D	DAGGETT	49821	MI
34-55-0068	GRINSTEINER FRANK	R F D	STEPHENSON	49887	MI
34-56-0018	BAKER W & WILLIAMS R D	117 MCDONALD ST	MIDLAND	48640	MI
34-56-0042	HDYT RON & GLEN	ROUTE 3	ST LOUIS	48879	MI
34-57-0004	VANDERWAL RUDY	R F D 2	LAKE CITY	49651	MI
34-57-0013	KAMPHOUSE JAKE	RFD	MC8AIN	49657	MI
34-57-0017	CNDSSSEN HAROLD	R F D	FALMDUTH	49632	MI
34-57-0029	SCHUTTE RICHARD & SDNS	RROUTE 2	MC8AIN	49657	MI
34-57-0073	ZUIDERVEEN HUBERT	R F D 2	MC 8AIN	49657	MI
34-57-0277	STRDTH WILLIAM F	R F D	MC8AIN	49657	MI
34-58-0023	ANOERSON BROTHERS	R F D 2	MILAN	48160	MI
34-58-0035	ST MARYS FARM	R F D 2	MONRDE	48161	MI
34-58-0040	VAN BUSKIRK JAMES	11D4 SIGLER RD R	CARLETON	48117	MI
34-58-0064	JAWDRSKI JULUIS & SDNS	17480 DAY RD RFD	DUNDEE	48131	MI
34-59-0002	BATY MAX	R F D	CORAL	49322	MI
34-59-0010	RAOER HERMAN	R F O 2	HOWARO CITY	49329	MI
34-59-0089	8OOMER DICK	R F D 1	LAKEVIEW	48850	MI
34-59-0287	TOWN HAROLD	R F D 2	GREENVILLE	48838	MI
34-61-0001	NELSON CLAIRE W	RT 1	MONTAGUE	49437	MI
34-61-0005	HARRIS BYRON	RFD	RAVENNA	49451	MI
34-61-0051	VAN FRANK WILLIAM	R F O	MONTAGUE	49437	MI
34-62-0003	KEMPF MAX & TOM	R F D 3	FREMONT	49412	MI
34-62-0005	GRABILL & COLLIN	R F D 2	GRANT	49327	MI
34-62-0021	WESTENFELDER REGINALD	RFD 2	FREMONT	49412	MI
34-62-0034	JOHNSON BLAINE	ROUTE 2	HESPERIA	49421	MI
34-62-0039	BRINK MAX	R F D 2	GRANT	49327	MI
34-62-0058	SMITH & VALMOND	ROUTE 2	FREMONT	49412	MI
34-62-0511	STROVENS KEN J	RFD 1	FREMONT	49412	MI
34-63-0016	LONG G CARLOS & DOUG	2845 SLEETH RD	MILFORD	48042	MI
34-63-0033	MIDDLETON KEITH KEY	650 HURD RD	DRTONVILLE	48462	MI
34-63-0048	SMITH RALPH E	4925 SAW MILL LAKE	ORTONVILLE	48462	MI
34-63-0078	CRAWFORD CARLTON	2535 SOUTH HILL RD	MILFORD	48042	MI
34-63-0148	CDOK PAUL	2021 SEYMOUR LAKE	ORTONVILLE	48462	MI
34-64-0070	VANGUNST WENDELL	R F D 1	NEW ERA	49446	MI
34-65-0031	MIER BURT	R 1	WEST BRANCH	48661	MI
34-67-0001	PATTERSON HALLIE & MAX		REED CITY	49677	MI
34-67-0024	MORGAN JOHN NO 1	R F D	SEARS	49679	MI
34-67-0267	CLARK CLYDE	RFO 1	SEARS	49679	MI
34-67-0356	CLARK LARRY	R 2 CLYDAL FARM	SEARS	49679	MI
34-70-0002	BUTH JOHN	LEONARD RD	COOPERSVILLE	49404	MI
34-70-0027	LUCAS ARTHUR	R F O	COOPERSVILLE	49404	MI
34-70-0036	HEFT ELMO	RFD 1	CONKLIN	49403	MI
34-70-0037	MODDERMAN HENRY	R 2 RIVERDALE FARM	MARNE	49435	MI
34-70-0053	POEST GERALD	R F O 1	ZEELAND	49464	MI
34-70-0059	OVERWAY ELMER	R F D 2	ZEELAND	49464	MI
34-70-0088	TERHAAR ALBERT JR	RFD 2	HUDSONVILLE	49426	MI
34-70-0104	ZANOSTRA STUART	RFD 2	8YRON CENTER	49315	MI
34-70-0116	SCHREUR GOROON	ROUTE 3	ZEELAND	49464	MI
34-70-0123	BAKER HENRY	R F D 1	8YRON CENTER	48418	MI
34-70-0132	HECKSEL OSCAR & SON	R F O	COOPERSVILLE	49404	MI
34-70-0238	SPRIENSMA THOMES	SWEET HDME FARM R	GRANDVILLE	49418	MI
34-70-0240	STERKEN LEON	10720 JAMES ST	ZEELAND	49464	MI
34-70-0257	MESBERGEN LAWRENCE	ROUTE 4	HUOSONVILLE	49426	MI
34-70-0528	FRAAZA JOHN F	RROUTE 2	ZEELAND	49464	MI
34-70-0654	HASSEVOORT ROBT & DON	RT 3 7671 72ND AVE	HUDSONVILLE	49426	MI
34-73-0001	WARDIN BROTHERS	RT 2	HEMLOCK	48626	MI
34-73-0003	WATSON WARREN	RT 1	HEMLOCK	48626	MI
34-73-0008	GOODMAN EDWIN H	R F O 2	HEMLOCK	48626	MI
34-73-0011	TURNER WILLIAM	RT 1	HEMLOCK	48626	MI
34-73-0018	BALLIEN R JESON	RT 1	HEMLOCK	48626	MI
34-73-0062	FRAHM RALPH & ELMWOOD	1520 FRAHM RD	FRANKENMUTH	48734	MI
34-74-0005	DALE FLOYD AND DONALD	R F D 3	MARLETTE	48453	MI
34-74-0015	HEBERLING PAUL	R F D	CARSONVILLE	48419	MI
34-74-0023	OS8DRN MILTON	R F D	APPGATE	48401	MI
34-74-0030	SHELL WILLIAM	R F D	CROSWELL	48422	MI
34-74-0087	NESBITT GEORGE & BILL	R F D	SANDUSKY	48471	MI
34-74-0114	CUMPER DUDLEY & SONS	R F D 1	MARLETTE	48453	MI
34-74-0123	RICH EDWARD A	2161 GATES ROAD	SANDUSKY	48471	MI
34-74-0151	MERRIMAN FRANK	R F D	DECKERVILLE	48427	MI
34-74-0167	CHARD DDN	R F D	SNOVER	48472	MI
34-74-0192	GROUT ARNOLO	RFD 2	CROSWELL	48422	MI
34-74-0312	KRITZMAN DEAN	R F D	DECKERVILLE	48427	MI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
34-74-0440	KAUFMAN JACK L	RF0 1	SANOUSKY	48471	MI
34-74-0805	FIERKE BROTHERS	5622 RIDGE ROAD	PALMS	49268	MI
34-74-0812	OEMARY FRANK & ROBERT	680 BURNS LINE RD	MELVIN	48454	MI
34-74-0893	CAISTER D R AND SONS	852 SO VANDYKE ROAD	MARLETTE	48453	MI
34-76-0005	PAROONNET GEORGE E	R F 0 2	CORUNNA	48817	MI
34-76-DD15	SPIKE CYRIL OR	R F D 3	OWOSSO	48867	MI
34-76-0019	VANIMAN JOHN JR	R F 0	OVIO	48866	MI
34-76-0024	KOERNER FLOYD JR	R F 0 2	LAINGSBURG	48848	MI
34-76-0048	CHAMBERLIN H & R	R F D 2	OWOSSO	48867	MI
34-76-0053	BRAIO ROBERT	R F 0 1	OURANO	48429	MI
34-76-0057	GILNA DICK	R F D 2	CORUNNA	48817	MI
34-76-0061	ROCK LLOYD RICHARD	R F D 1	CORUNNA	48817	MI
34-76-0134	HACKNEY J F	R F D 2	OURANO	48429	MI
34-76-D140	COFFEY DARELL	ROUTE 1	BRYON	48418	MI
34-77-0005	STEUVER ALBERT	LYNN ISLAND FARM R	CAPAC	48014	MI
34-77-D115	LAUWERS DICK	3148 HARVEY RD	CAPAC	48014	MI
34-77-D168	ROSSOW ROY & SON	7989 ARNOLD RD	FAIR HAVEN	48023	MI
34-77-D172	LONDON MAX	LONDON DAIRY FARM	NORTH STREET	48049	MI
34-77-0185	BROWN RONALD E	5954 CONNELL RD	YALE	48097	MI
34-78-0001	GLEASON HENRY & JAMES	R F 0 4	THREE RIVERS	49093	MI
34-78-0017	COOMER ROBERT	R F 0 3	STURGIS	49091	MI
34-78-0046	ROCKELEIN JOE	R F 0 1	LEONIOAS	49066	MI
34-78-0064	HENSELLS GOLOEN	RFD 1 PRAIRIE FAR	CONSTANTINE	49042	MI
34-78-D137	DAVIS EDWARD	R F 0	LEONIOAS	49066	MI
34-79-0058	JACKSON WALTER & LYLE	RT 2 OIXON RD	CARO	48723	MI
34-79-0102	OPPERMAN RONALD	R F 0 2	VASSAR	48768	MI
34-79-0194	DELONG DONALD & SONS	RFD 3	CASS CITY	48726	MI
34-80-0012	SPENCER LAWRENCE	R F 0 1	LAWTON	49065	MI
34-80-0015	GARROO FRED	R F 0	LAWRENCE	49064	MI
34-80-0051	VAN HORN GEORGE	R F D	BLOOMINGDALE	49026	MI
34-81-DD01	GEIGER FR & SONS O	5300 FIVE MILE RD	SOUTH LYONS	48178	MI
34-81-0024	SPIKE LOWELL	326D SHARON HOLLOW	MANCHESTER	48158	MI
34-81-0030	TAYLOR PAUL	7158 NOBLE RD	SALINE	48176	MI
34-81-0057	FARRELL FRANCIS	R F 0 WALSH RD	WHITMORE LAKE	48189	MI
34-81-0074	GORDON DAVID	4620 WILLOW RD RFD	SALINE	48176	MI
34-81-0078	STUART DONALD & ROBERT	10750 SANFORD R	MILAN	48160	MI
34-81-0148	ROUSTER ELLERY & JOHN	15261 GRASS LK RD	GRASS LAKE	49240	MI
34-82-0005	BUDD JACK R	42510 EXPRESSWAY	SELLEVILLE	48111	MI
34-84-0001	EMMONS ANSELL AND SON	R F 0 2	FAYETTE	43521	OH
35-01-0002	RAY E ROGER	THE ROGER ROOST	OXFORD	53952	WI
35-01-0010	STANLEY HUBER AND SON		OXFORD	53952	WI
35-01-0011	LEROY HEITMAN		FRIENOSHIP	53934	WI
35-01-0012	WAYNE JEFFERSON		FRIENOSHIP	53934	WI
35-03-0007	LOREN HENNEKENS		RICE LAKE	54868	WI
35-03-0008	WAYNE AND JERRY MASSIE	80X 131	CHETEK	54728	WI
35-03-0026	HERMAN & GERALD SEVERSON		CAMERON	54822	WI
35-03-0034	F B KAHL & A NEOLAND		BARRON	54812	WI
35-03-0035	OARYL ALEXANDER		RICE LAKE	54868	WI
35-03-DD38	FREEMAN L HANSON		CHETEK	54728	WI
35-03-DD49	ELMOKA FARM		BARRON	54812	WI
35-D3-0051	KENNETH L GONSKE		RICE LAKE	54868	WI
35-03-0053	HARLEY BARFKNECHT		RICE LAKE	54868	WI
35-03-0085	SCHUTZHOLM FARM		DALLAS	54733	WI
35-D3-0112	MARVIN TORGERSON		COMSTOCK	54826	WI
35-03-0124	MARVIN PAULSON		CUMBERLAND	54829	WI
35-03-0133	WALTER ZEMKE		CLAYTON	54004	WI
35-03-0146	ROBERT PENBERTHY	ROUTE 1	ALMENA	54805	WI
35-03-0158	LLOYD HOFF	ROUTE 1	BARRON	54812	WI
35-03-0165	EDMUND THOME	ROUTE 2	RICE LAKE	54868	WI
35-03-D346	CLARENCE WATRUO	ROUTE 2	CLAYTON	54004	WI
35-03-0348	JAMES SANDLI	ROUTE 4	RICE LAKE	54868	WI
35-D3-0422	DON MILLER		DALLAS	54733	WI
35-04-0018	U W EXPERIMENTAL FARM		ASHLAND	54806	WI
35-05-DD04	JULIAN ROMUALD	ROUTE 1	NEW FRANKEN	54229	WI
35-05-DD08	DON ZITTLow	ROUTE 1	W DE PERE	54178	WI
35-D5-0030	RICHARD DUQUAINE	ROUTE 1	NEW FRANKEN	54229	WI
35-05-DD37	WIS STATE REFORMATORY	80X WR	GREEN BAY	54305	WI
35-05-DD39	ROBERT GARSON	ROUTE 1	W DE PERE	54178	WI
35-D5-0047	ROBERT & DAN NATZKE	ROUTE 1	GREENLEAF	54126	WI
35-05-0048	LOUIS HOSKENS	RR 2	DE PERE	54115	WI
35-05-0054	NORBERT MEULEMANS	ROUTE 2	KAUKAUNA	54130	WI
35-05-0060	ROLAND MATZKE	ROUTE 2	DE PERE	54115	WI
35-05-0061	JOHN TAUSCHER	ROUTE 5	GREEN BAY	54305	WI
35-05-0062	WALLACE DUFEL	ROUTE 1	NEW FRANKEN	54229	WI
35-05-0063	M E DAVIS JR	868 E ST FRANCIS	DE PERE	54115	WI
35-05-0068	ROCKYVALE FARMS	ROUTE 1	W DE PERE	54178	WI
35-05-0069	ELMER SMITS	ROUTE 1	ONEIDA	54155	WI
35-D5-0074	ANDREW ROSEK	ROUTE 3	DENMARK	54208	WI
35-05-0079	FRANK BIALOZYNSKI	ROUTE 3	PULASKI	54162	WI
35-05-DD80	FRANK HUNTINGTON	590388	W DE PERE	54178	WI
35-05-0084	ALVIN J VANESS	ROUTE 1	NEW FRANKEN	54229	WI
35-05-0085	TED LEMKE	ROUTE 2	GREENLEAF	54126	WI
35-05-DD86	EARL BRITTNACHER	ROUTE 1	GREENLEAF	54126	WI
35-05-0088	MORRIS CAVIL	ROUTE 1	W DE PERE	54178	WI
35-05-0091	TOM OINY	ROUTE 1	GREENLEAF	54126	WI

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-05-0092	NORBERT LEBAL	ROUTE 1	OE PERE	54115	WI
35-05-0114	CLARNC & CARL VANOEVERE	ROUTE 4	GREEN BAY	54305	WI
35-06-0002	MERLIN HAEUSER	ROUTE 1	COCHRANE	54622	WI
35-06-0012	OUTEE SEYFORTH	ROUTE 1	MONDOVI	54755	WI
35-06-0022	J J ROSENOW	ROUTE 1	COCHRANE	54622	WI
35-06-0029	HELMER @ CYRIL MYREN	ROUTE 1	NELSON	54756	WI
35-06-0032	EARL HECK	ROUTE 2	MONDOVI	54755	WI
35-06-0035	JAMES SCHMIOTKNECHT		ALMA	54610	WI
35-06-0149	BERNARD SCHMIOTKNECHT	ROUTE 4	MONDOVI	54755	WI
35-06-0165	LOREN WOLFE	RURAL ROUTE	COCHRANE	54622	WI
35-07-0010	JAMES GLOVER JR		GRANTSBURG	54840	WI
35-08-0013	ALFRED KEULER	ROUTE 2	KIEL	53042	WI
35-08-0014	JOSEPH H JUCKEM JR	ROUTE 1	CHILTON	53014	WI
35-08-0027	LEONARD WOELFEL	ROUTE 1	HILBERT	54129	WI
35-08-0033	ELDER GILBERTSON	ROUTE 3	KAUKAUNA	54130	WI
35-08-0035	JOSEPH M MIRSBERGER	ROUTE 2	HILBERT	54129	WI
35-08-0036	EDWARD N MIRSBERGER	ROUTE 2	HILBERT	54129	WI
35-08-0037	LESLIE SCHNELL	ROUTE 2	HILBERT	54129	WI
35-08-0043	DONALD SCHNELL	ROUTE 1	BRILLION	54110	WI
35-08-0045	REUBEN OTT AND SONS	ROUTE 2	HILBERT	54129	WI
35-08-0048	WALTER J SCHNEIDER	ROUTE 2	KIEL	53042	WI
35-08-0050	HENRY JUCKEM	ROUTE 1	HILBERT	54129	WI
35-08-0071	ARTHUR HOERTH	ROUTE 1	CHILTON	53014	WI
35-08-0073	GERALD GEISER	ROUTE 2	HILBERT	54129	WI
35-08-0076	WILLIAM SCHOLZ	ROUTE 1	HILBERT	54129	WI
35-08-0096	VAN TREEK BROS	ROUTE 4	KAUKAUNA	54130	WI
35-08-0103	BERNARD F GEISER	ROUTE 4	CHILTON	53014	WI
35-08-0104	HUEBNER BROS	ROUTE 1	BRILLION	54110	WI
35-09-0007	CLOVER BELT FARM		JIM FALLS	54748	WI
35-09-0010	NO. WIS COL & TRG SCH		CHIPPEWA FLS	54729	WI
35-09-0011	HOWARD WEBER	ROUTE 1	BLOOMER	54724	WI
35-09-0025	MERVIN G & R R MARQUAROT	ROUTE 1	BLOOMER	54724	WI
35-09-0033	CHIPPEWA CO HOSPITAL	BOX 68	CHIPPEWA FLS	54729	WI
35-09-0035	ARNOLD BUCHNER	ROUTE 2	BLOOMER	54724	WI
35-09-0045	WILLIAM WEBER	ROUTE 1	BLOOMER	54724	WI
35-09-0047	LLOYD BENSON	ROUTE 3	COLFAX	54730	WI
35-09-0049	STANLEY VOECKS	ROUTE 2	CAOOTT	54727	WI
35-09-0054	WAYNE DANIELSON	ROUTE 1	CAOOTT	54727	WI
35-09-0058	JAMES GOLLER	ROUTE 2	CORNELL	54732	WI
35-09-0060	ROGER KRESSIN	ROUTE 2 BOX 8	CHIPPEWA FLS	54729	WI
35-09-0067	HOWARD ROYCRAFT JR	ROUTE 4 BOX 362	CHIPPEWA FLS	54729	WI
35-09-0076	ALVIN MULLEN	ROUTE 3	BLOOMER	54724	WI
35-09-0078	HARLANO DANIELSON	ROUTE 1	CAOOTT	54727	WI
35-09-0079	BERNARD DANIELSON	ROUTE 1	CAOOTT	54727	WI
35-09-0161	JENSEN BROTHERS	ROUTE 3	COLFAX	54730	WI
35-10-0005	LOUIS OUX	OUXDALE FARM	NEILLSVILLE	54456	WI
35-10-0016	RICHARD EIBERGEN & SONS	ROUTE 1	GRANTON	54436	WI
35-10-0021	LOUIS WOJTKIEWICZ	HONEY HOME FARM	THORP	54771	WI
35-10-0029	KEITH @ DAWN STUMP	DISTINCTION FMS	GREENWOOD	54437	WI
35-10-0037	CLARK COUNTY HOSPITAL	CLARK CO	OWEN	54460	WI
35-10-0048	ALBERT A SCHULTZ	LANELESS DAIRY	CURTISS	54422	WI
35-10-0055	DARREL HORN	ROUTE 3	GREENWOOD	54437	WI
35-10-0057	ART GAOOIS @ SONS	VALU AFR FARM	WITHEE	54498	WI
35-10-0065	NORMAN MEISSNER @ SONS	ROUTE 1	CHILI	54420	WI
35-10-0068	FRED GARBISCH @ SON	ROUTE 2	GRANTON	54436	WI
35-10-0083	CHARLES J SEEFELDT	ROUTE 1	GRANTON	54436	WI
35-10-0084	JOHN SEEFELDT	ROUTE 1	GRANTON	54436	WI
35-10-0345	CYRIL JOCHIMSEN		DOORCHESTER	54425	WI
35-10-0390	SHEELS HOLSTEIN HAVEN	ROUTE 1	NEILLSVILLE	54456	WI
35-10-0410	LA VERNE KRONBERGER	ROUTE 1	GREENWOOD	54437	WI
35-10-0422	JAMES K RICE	ROUTE 3	GREENWOOD	54437	WI
35-11-0001	HAROLD COBBS		LOOI	53555	WI
35-11-0011	LEONARD SENNHENN	ROUTE 3	COLUMBUS	53925	WI
35-11-0013	ROSCOE PREMIO	ROUTE 3	COLUMBUS	53925	WI
35-11-0021	RUSSELL WATERWORTH		FALL RIVER	53932	WI
35-11-0033	CARL LEWKE	ROUTE 3	COLUMBUS	53925	WI
35-11-0038	GENE ROCHE		RIO	53960	WI
35-11-0042	GUSTAVE A GAUMITZ		FALL RIVER	53932	WI
35-11-0044	C FREDERICK-PREMIUM FARM	ROUTE 1	FALL RIVER	53932	WI
35-11-0045	REUBEN OAMM AND SON		COLUMBUS	53925	WI
35-11-0047	DON WEINER	ROUTE 3	COLUMBUS	53925	WI
35-11-0050	HABERKORN BROS	ROUTE 1	OALTON	53926	WI
35-11-0054	JOHN WOODWARD	CURTWOOD FARMS RT	RIO	53960	WI
35-11-0070	DEAN R WALKER	ROUTE 3	WIS. DELLS	53965	WI
35-11-0197	W TESSMAN @ W TESSMAN	FARM NO 1	CAMBRIA	53923	WI
35-11-0198	H TESSMAN @ W TESSMAN	FARM NO 2	CAMBRIA	53923	WI
35-12-0003	C H KRONING AND SONS	ROUTE 3	SOLOIERS GRV	54655	WI
35-12-0007	AHRENS DAIRY FARM	BOX 150	PR DU CHIEN	53821	WI
35-12-0024	LAVERNE W. SHERRY	ROUTE 1	SOLOIERS GRV	54655	WI
35-12-0048	DONALD JOHNSRUOE		SOLOIERS GRV	54655	WI
35-12-0098	OALE LENZ		WAUZKA	53826	WI
35-13-0037	ALFRED KELLER	ROUTE 1	OREGON	53575	WI
35-13-0048	MAURICE E COOPER		OE FOREST	53532	WI
35-13-0050	MARTIN @ OAVIO GUNNULSON	ROUTE 1	CAMBRIAGE	53523	WI
35-13-0051	OAVIO MELL	ROUTE 2	WAUNAKEE	53597	WI

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-13-0058	TEO MAQUELL		MARSHALL	53559	WI
35-13-0062	CHARLES OETERT JR		MARSHALL	53559	WI
35-13-0066	ROMAN ZWETTLER	ROUTE 1	BLUE MOUNOS	53517	WI
35-13-0068	RAY WIEST		MT HOREB	53572	WI
35-13-0080	PAUL PHILLIPS		MIDDLETON	53562	WI
35-13-0094	OREGON STATE FARM		OREGON	53575	WI
35-13-0102	GERALD J RAEMISCH		WAUNAKEE	53597	WI
35-13-0106	JOHN HAMILTON	ROUTE 2	VERONA	53593	WI
35-13-0121	DENTON GEORGESON	ROUTE 1 BOX 75	MADISON	53704	WI
35-13-0125	ALVIN HAAG	ROUTE 1	MT HOREB	53572	WI
35-13-0130	LINTVEOT BROS.	ROUTE 1	EOGERTON	53534	WI
35-13-0133	CHAS & ROGER LANGER	ROUTE 2	MARSHALL	53559	WI
35-13-0136	ORVILLE KELLESVIG	ROUTE 2	MT HOREB	53572	WI
35-13-0137	TRUMAN KITTLESOM	ROUTE 2	MOUNT HOREB	53572	WI
35-13-0162	BERNARD O RATTMAN	ROUTE 1 BOX 445 0	MADISON	53704	WI
35-13-0293	KAHL FARMS		VERONA	53593	WI
35-13-0294	RALPH GUST	FARM 2 ROUTE 2	VERONA	53593	WI
35-13-0297	KARL & MARLIN WILD	R. F. 0. 2	BELLEVILLE	53508	WI
35-13-0298	RUSSELL KAHL		VERONA	53593	WI
35-13-0319	UNIV OF WISCONSIN	DAIRY CATTLE CENTE	MADISON 6	53706	WI
35-13-0320	UNIV OF WISCONSIN	DAIRY CATTLE CENTE	MADISON 6	53706	WI
35-13-0324	MERLIN A VOSS		VERONA	53593	WI
35-13-0326	ELMER BAKER	R R 1	MT HOREB	53572	WI
35-13-0329	BLACK HAVEN FARM	C/O MIKE WIPPERFUR	MAZOMANIE	53560	WI
35-13-0330	W MAIER & O FESTGE		CROSS PLNS	53528	WI
35-13-0336	JOSEPH A HAACK	ROUTE 1	MT HOREB	53572	WI
35-13-0338	RAYMONO LEE		BLACK EARTH	53515	WI
35-13-0396	DONALD STOLL & J BATKER		VERONA	53593	WI
35-14-0015	WILLIAM BUSKE	ROUTE 2	MAYVILLE	53050	WI
35-14-0025	JOE STIPPICH	ROUTE 1	WATERLOO	53594	WI
35-14-0037	WILLARD NEHLS FM 3	ROUTE 2	JUNEAU	53039	WI
35-14-0038	DAVE MC FARLAND	ROUTE 5	WATERTOWN	53094	WI
35-14-0041	BURTON WILLIAMS	ROUTE 5	WATERTOWN	53094	WI
35-14-0046	WILLIAM NASS	ROUTE 1	WATERTOWN	53094	WI
35-14-0053	EDWARD R BOETCHER	ROUTE 1	WATERLOO	53594	WI
35-14-0057	ERWIN BUSS	ROUTE 1	WATERLOO	53594	WI
35-14-0090	WILLARD NEHLS FM 2	ROUTE 2	JUNEAU	53039	WI
35-14-0092	GORDON E BERG	ROUTE 1 BOX 22B	BROWNSVILLE	53006	WI
35-14-0096	WILLARD NEHLS FM 1	ROUTE 2	JUNEAU	53039	WI
35-14-0101	ALBERT & WES PAOE		LOMIRA	53048	WI
35-14-0106	LORENZ PAGEL	ROUTE 1	JUNEAU	53039	WI
35-14-0116	R A SCHWANTES & W MAASKE	WEST SIDE FARM	HORICON	53032	WI
35-14-0123	LESTER PAUTZ	ROUTE 1	HORICON	53032	WI
35-14-0141	PEARSON AND BUNKOSKE	ROUTE 1	HORICON	53032	WI
35-14-0161	LELANO GUNST	ROUTE 3	HARTFORD	53027	WI
35-14-0166	LOREN VANDE ZANOE		WAUPUN	53963	WI
35-14-0167	GLENN VANDE ZANOE	ROUTE 2	WAUPUN	53963	WI
35-14-0169	HARVEY PAUTZ	ROUTE 2	JUNEAU	53039	WI
35-14-0174	RUODOLPH BAUER	ROUTE 1	BROWNSVILLE	53006	WI
35-14-0176	OLIVER PROPST	ROUTE 1	BEAVER DAM	53916	WI
35-14-0184	JOE NEIS	ROUTE 2	JUNEAU	53039	WI
35-14-0186	SYLVESTER CLAAS	ROUTE 1	WATERTOWN	53094	WI
35-14-0191	GERALD MUEHLIUS	ROUTE 1	LOMIRA	53048	WI
35-14-0199	HARVEY A BRAUNSCHWEIG	ROUTE 1	BURNETT	53922	WI
35-14-0200	RUBEN LAU		LOMIRA	53048	WI
35-14-0203	LESTER BICKEL		REESEVILLE	53579	WI
35-14-0204	HENRY SCHNITZLER	ROUTE 1	THERESA	53091	WI
35-14-0207	BERNARD & EUGENE SETZ	ROUTE 2	COLUMBUS	53925	WI
35-14-0215	GORDON EVERSON	ROUTE 1	WATERLOO	53594	WI
35-14-0220	ARLEN SCHELLEPPER	ROUTE 1	HORICON	53032	WI
35-14-0224	LAWRENCE & DONALD BELLIN	ROUTE 1	LOMIRA	53048	WI
35-14-0226	ROBERT CAMPBELL	ROUTE 1	RUBICON	53078	WI
35-14-0227	DAVID LEMMENES	ROUTE 1	WAUPUN	53963	WI
35-14-0229	WARREN A SMITH	432 FREMONT ST	WATERTOWN	53094	WI
35-14-0239	EDGAR F BRAUNSCHWEIG	ROUTE 1	NEOSHO	53059	WI
35-14-0242	ELMO & NILES WENDORF	ROUTE 1	IXONIA	53036	WI
35-14-0339	MARVIN SCHOENWETTER	ROUTE 1	WATERLOO	53594	WI
35-14-0406	LESTER GRIEPENTROG	ROUTE 1	THERESA	53091	WI
35-14-0471	WIS CORRECTIONAL INST.	BOX 147	FOX LAKE	53933	WI
35-14-0503	ROBERT M WISSELL	ROUTE 1	WATERTOWN	53094	WI
35-14-0511	KUPHAL FARMS	ROUTE 1	IRON RIDGE	53035	WI
35-14-0560	WILBERT LANOMEIER	ROUTE 1	JUNEAU	53039	WI
35-14-0584	KENNETH E BUSS	ROUTE 1	WATERLOO	53594	WI
35-14-0609	HARVEY VANOE ZANOE	ROUTE 2 BOX 356	WAUPUN	53963	WI
35-15-0001	HARRY J COISMAN	ROUTE 6	STURGEON BAY	54235	WI
35-15-0017	WILFERO VANDERTIE		BRUSSELS	54204	WI
35-15-0018	RICHARD ROZEK	ROUTE 6	STURGEON BAY	54235	WI
35-15-0023	DONALD OLSON	ROUTE 5	STURGEON BAY	54235	WI
35-15-0024	ERVIN JACIN		BRUSSELS	54204	WI
35-15-0025	HUGH BIROSALL	ROUTE 5	STURGEON BAY	54235	WI
35-15-0026	DONALD KINNARO		BRUSSELS	54204	WI
35-15-0031	JOSEPH KUEHN		EGG HARBOR	54209	WI
35-15-0095	ROBERT J OELORIT	ROUTE 1	FORESTVILLE	54213	WI
35-15-0127	MILTON STAATS	ROUTE 1	STURGEON BAY	54235	WI
35-16-0018	ROBERT HENORICKSON	ROUTE 1 BOX 454	SUPERIOR	54880	WI

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-16-0031	LLOYD ROUNSVILLE		POPLAR	54864	WI
35-17-0006	NDVAL @ WALLACE EFFELSO		OALLAS	54733	WI
35-17-0009	FRANK B MERRITT	ROUTE 1	MENOMONIE	54751	WI
35-17-0012	CHARLES GIFFORD & SONS	ROUTE 6	MENOMONIE	54751	WI
35-17-0019	WAYNE BAIER	ROUTE 2	ELMWOOD	54740	WI
35-17-0033	RICHARD QUILLING	ROUTE 1	ELK MOUND	54739	WI
35-17-0050	HARRY OIX AND SON	ROUTE 2	MENOMONIE	54751	WI
35-17-0054	GEORGE & H SHEPARO	ROUTE 1	RIOGELAND	54763	WI
35-17-0055	EOGAR @ CLIFFORD RANNEY	ROUTE 1	BOYCEVILLE	54725	WI
35-17-0057	JOE CRAMER AND SONS	ROUTE 2	MENOMONIE	54751	WI
35-17-0060	NEIL GOVIN	ROUTE 2	MENOMONIE	54751	WI
35-17-0065	OUNN COUNTY HOSPITAL	ROUTE 2	MENOMONIE	54751	WI
35-17-0069	RICHARD A OALE	ROUTE 2	MENOMONIE	54751	WI
35-17-0071	WILLIAM PALMER & SON	ROUTE 1	MENOMONIE	54751	WI
35-17-0078	LUNO BROS	ROUTE 6	MENOMONIE	54751	WI
35-17-0089	WILLIAM A MILLER	ROUTE 3	MENOMONIE	54751	WI
35-17-0121	HAROLD & DAVID KREUTZER	ROUTE 3	MENOMONIE	54751	WI
35-17-0224	STALLMAN BROTHERS	ROUTE 2	ELK MOUND	54739	WI
35-17-0415	WILLIAM @ KATHLEEN REUSC	ROUTE 2	GLENWOOD CTY	54013	WI
35-18-0012	EAU CLAIRE CO HOSP	ROUTE 2	EAU CLAIRE	54701	WI
35-18-0058	MERVIN CARLSON	ROUTE 2	AUGUSTA	54722	WI
35-18-0178	ROBERT GIBSON	ROUTE 2	EAU CLAIRE	54701	WI
35-20-0018	WM PEACHY	ROUTE 1	ELDORADO	54932	WI
35-20-0020	HOWARD SATTLER	ROUTE 1	MALONE	53049	WI
35-20-0022	OELMAR BURG	ROUTE 1	MALONE	53049	WI
35-20-0071	THEODORE WELLES		ROSENDALE	54974	WI
35-20-0076	EARL HAMMEN	ROUTE 3	RIPON	54971	WI
35-20-0088	ROBERT A BIRD	ROUTE 1	BROWNSVILLE	53006	WI
35-20-0091	HENRY HAYES	ROUTE 2	FOND DU LAC	54935	WI
35-20-0102	KENNETH RHEIN	ROUTE 1	BROWNSVILLE	53006	WI
35-20-0107	MARVIN HAYES AND SON	ROUTE 1	CAMPBELL SPT	53010	WI
35-20-0110	RAY & DAN ARNDT	ROUTE 6	FOND DU LAC	54935	WI
35-20-0112	CLARENCE SHERIDAN	ROUTE 3	FOND DU LAC	54935	WI
35-20-0119	ERWIN BEILKE	ROUTE 1	FAIRWATER	53931	WI
35-20-0124	H E PIPPING	ROUTE 5	FOND DU LAC	54931	WI
35-20-0128	AL ZELESKE	ROUTE 2	FOND DU LAC	54931	WI
35-20-0149	JOHN F INDERMUELE	ROUTE 1	BROWNSVILLE	53006	WI
35-20-0155	ELMER DIXON	2421 FOREST AVE R	FOND DU LAC	54935	WI
35-20-0158	LEONARD STIPPEL	ROUTE 1	MT CALVARY	53057	WI
35-20-0162	PETERS @ TITEL	ROUTE 4	FOND DU LAC	54935	WI
35-20-0190	CLARENCE BOYKE	ROUTE 3	FOND DU LAC	54935	WI
35-20-0205	DANIEL LAMB	ROUTE 1	BROWNSVILLE	53006	WI
35-20-0206	ROBERT AND LEO TWOHIG	ROUTE 1	ST. CLOUD	53079	WI
35-20-0208	RONALD RICKERT	ROUTE 1	ELDORADO	54932	WI
35-20-0209	DAVID ROSE	ROUTE 1	EOEN	53019	WI
35-20-0216	ALFRED & RICHARD ZINKE		SOUTH BYRON	53087	WI
35-20-0217	ARTHUR BEIER	ROUTE 1	ROSENDALE	54974	WI
35-20-0236	LYLE LINDSEMAN	ROUTE 1	BRANDON	53919	WI
35-20-0253	PAUL RUECHINGER	ROUTE 1	VANDYNE	54979	WI
35-20-0258	FRANCIS P BEBOW	ROUTE 3 BOX 80	FOND DU LAC	54935	WI
35-20-0263	ELMER HEIMERMANN	ROUTE 1	CAMPBELL SPT	53010	WI
35-20-0264	VICTOR STEFFES		ST. CLOUD	53079	WI
35-20-0273	HARLAND KEMINK	ROUTE 2	WAUPUN	53963	WI
35-20-0275	ALBERT LAUOLFF	ROUTE 5	FOND DU LAC	54935	WI
35-20-0437	WAYNE TAVS	ROUTE 1	BRANDON	53919	WI
35-20-0500	RONALD F. COOPER	ROUTE 1 BOX 61	GLENBEULAH	53023	WI
35-20-0543	RAY & OICK ARNDT	ROUTE 6	FOND DU LAC	54935	WI
35-22-0001	GROVER SCHELINGER		STITZER	53825	WI
35-22-0031	CHESTER GARTHWAITE @ SON		MT HOPE	53816	WI
35-22-0035	BYRON L STEPHENS	ROUTE 3	PLATTEVILLE	53818	WI
35-22-0047	SCHNEIDER AND JOHLL		CUSA CITY	53807	WI
35-22-0050	FLOYD MONROE	ROUTE 2	FENNIMORE	53809	WI
35-22-0052	WAYNE CARNS		PLATTEVILLE	53818	WI
35-22-0054	RONALD KOVARS		BOSCOBEL	53805	WI
35-22-0056	WM @ KENNETH FRANKENHOFF		BOSCOBEL	53805	WI
35-22-0057	ROBERT F MOON		FENNIMORE	53809	WI
35-22-0060	LEROY MALLAT		BOSCOBEL	53805	WI
35-22-0061	CARROLL MALLAT	ROUTE 2	BOSCOBEL	53805	WI
35-22-0065	KEITH & MAURICE NICHOLS		MT HOPE	53816	WI
35-22-0066	MARK NICHOLS		MT HOPE	53816	WI
35-22-0068	EARL CURTIS & SONS		CUSA CITY	53807	WI
35-22-0072	GERALD MOON		PLATTEVILLE	53818	WI
35-22-0097	JOHN & HERBERT EVERSON		FENNIMORE	53809	WI
35-22-0308	HOWARD BERLIN	250394	MAZOMANIE	53560	WI
35-22-0309	RONALD O. TEMPERLY	220308	HAZEL GREEN	53811	WI
35-23-0008	RONALD MOE	ROUTE 1	MONROE	53566	WI
35-23-0010	KENDALL @ STEVEN OIGMAN	RT 3	MONROE	53566	WI
35-23-0012	LAURENCE SALESMAN	ROUTE 1	ARGYLE	53504	WI
35-23-0022	WALTER F & DEAN STREIFF		NEW GLARUS	53574	WI
35-23-0032	KENNETH @ NATHAN HARTWIG	RT 1	MONROE	53566	WI
35-23-0034	CARL @ KENNETH WYSS	ROUTE 4	MONROE	53566	WI
35-23-0038	VOEGELI FARM INC	H & J VOEGELI	MONTICELLO	53570	WI
35-23-0039	RONALD TIMM	ROUTE 3	MONROE	53566	WI
35-23-0040	PERMIN GRABER @ SONS		MONTICELLO	53570	WI
35-23-0041	A @ ROGER STAUFFACHER	ROUTE 4	MONROE	53566	WI

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-23-0042	EARL GRENZDW	RFD. #1	JUOA	53550	WI
35-23-0046	JOHN RUFFI & SON	1123 22ND STREET	MONROE	53566	WI
35-23-0048	HERB HUFFMAN	ROUTE 1	MONROE	53566	WI
35-23-0053	B MILLER @ L STEFANICK		JUOA	53550	WI
35-23-0056	ROBERT RIEDER	ROUTE 4	MONROE	53566	WI
35-23-0057	BILL HARTWIG	ROUTE 3	MONROE	53566	WI
35-23-0063	NATHAN BEAR @ JAMES PRIC	SUGAR VALLEY FARM	BROOHEAD	53520	WI
35-23-0075	GEORGE @ C KENNETH NDRTQ	ROUTE 2	MONROE	53566	WI
35-23-0076	DANIEL F WYSS	ROUTE 1	MONROE	53566	WI
35-23-0080	FLOYD @ ROBERT TIMM	R F D 1	MONROE	53566	WI
35-23-0084	VERLEN J EBERLE	ROUTE 3	MONROE	53566	WI
35-23-0091	HARDLO HOESLY		NEW GLARUS	53574	WI
35-23-0102	JOHN @ DARRELL BOLLIG	ROUTE 1	BELLEVILLE	53508	WI
35-23-0103	HOWARD KEEHN		BROOKLYN	53521	WI
35-23-0106	OUANE BOLLIG		BELLEVILLE	53508	WI
35-23-0107	ELMER @ OWIGHT HOESLY	ROUTE 1	BELLEVILLE	53508	WI
35-23-0109	JULIUS @ ANDREW HARTWIG		MONROE	53566	WI
35-23-0112	DEAN HAAS		BROWNTOWN	53522	WI
35-23-0169	PAUL ELMER JR		BROOKLYN	53521	WI
35-23-0189	PAUL DUERST	ROUTE 1	NEW GLARUS	53574	WI
35-23-0190	WILLIAM E KUENZI JR	ROUTE 1	BLANCHAROV	53516	WI
35-23-0241	HERMAN BAUMGARTNER	ROUTE 1	NEW GLARUS	53574	WI
35-24-0016	TINKHAM AND OAHMS	ROUTE 1	MARKESAN	53946	WI
35-24-0022	LEROY KASIERSKI	ROUTE 1	PRINCETON	54968	WI
35-24-0024	ARDEN HENSLIN	ROUTE 1	MARKESAN	53946	WI
35-24-0027	ALOEN GRAHN	ROUTE 2	MARKESAN	53946	WI
35-24-0038	DONALD GELHAR & SONS	ROUTE 2	BERLIN	54923	WI
35-24-0039	ROLAND JAHNKE & SONS	ROUTE 2	MARKESAN	53946	WI
35-24-0058	ROGER LADWIG		GREEN LAKE	54941	WI
35-24-0064	HARDLO JAMES	ROUTE 2	BERLIN	54923	WI
35-25-0022	ARNESON AG CR CORP		BARNEVELO	53507	WI
35-25-0025	HARLANO THOMPSON		BARNEVELO	53507	WI
35-25-0026	RAY THOMPSON @ SONS		BARNEVELO	53507	WI
35-25-0044	ROBERT MEUDT		OOGEVILLE	53533	WI
35-25-0049	R DAUCK @ H THOMPSON		BARNEVELO	53507	WI
35-25-0056	ADOLPH @ LEROY ABPLANALP		ARENA	53503	WI
35-25-0073	LOREN JOHNSON		C088	53526	WI
35-25-0084	MAYNARD PETERSDN		BLUE MOUNDS	53517	WI
35-25-0114	RALPH PAULSDN	ROUTE 1	BARNEVELD	53507	WI
35-25-0230	JOHN W WEIER		OOGEVILLE	53533	WI
35-25-0267	ROLAND K REIMANN		ARENA	53503	WI
35-27-0003	FRANCIS HELLER JR	ROUTE 2	ALMA CENTER	54611	WI
35-27-0004	WILLIAM J PFAFF		ALMA CENTER	54611	WI
35-27-0012	GEARING BROTHERS	ROUTE 1	MERRILLAN	54754	WI
35-27-0017	NORMAN JOHNSON		BLK RIVR FLS	54615	WI
35-27-0027	WALLACE PFAFF		MELROSE	54642	WI
35-27-0029	FRANCES MICHELS		ALMA CENTER	54611	WI
35-27-0050	ROGER O HUBER		MELROSE	54642	WI
35-27-0052	DENNIS RANO		MELROSE	54642	WI
35-27-0078	GARY JACOBSON		HUMBRO	54746	WI
35-28-0002	CRAIG BEANE	ROUTE 1	FT ATKINSON	53538	WI
35-28-0004	WARD BROTHERS	ROUTE 1	FT ATKINSON	53538	WI
35-28-0013	LENZ BRDS.	C/3 ROGER LENZ ROU	LAKE MILLS	53551	WI
35-28-0015	JEFFERSON COUNTY FARM		JEFFERSON	53549	WI
35-28-0016	HAROLD DAIRYMAN FARM	ROUTE 1	FT ATKINSON	53538	WI
35-28-0017	NORVIC FARMS INC	ROUTE 1 NORVIC	LAKE MILLS	53551	WI
35-28-0018	ALLEN HETTS	ROUTE 1	FT ATKINSON	53538	WI
35-28-0021	MR EDW JONES	P O BOX 28	FT ATKINSON	53538	WI
35-28-0024	NEIL DESTREICH	ROUTE 1	FT ATKINSON	53538	WI
35-28-0037	JAEGER BRDS	RT 1	IXONIA	53037	WI
35-28-0038	ROY HAAS AND SON	ROUTE 1	JEFFERSON	53549	WI
35-28-0039	SAINT COLETTA SCHDOL		JEFFERSON	53549	WI
35-28-0040	CHAPEL HILL FARM	ROUTE 1	IXONIA	53036	WI
35-28-0042	KRULL FARMS		LAKE MILLS	53551	WI
35-28-0043	PIPER BROTHERS	P O BOX 50	WATERTOWN	53094	WI
35-28-0044	UNIV OF WISCONSIN	E BLAINE JR EXP	LAKE MILLS	53551	WI
35-28-0049	LYLE PESTER	ROUTE 4	WHITEWATER	53190	WI
35-28-0051	LUNDT BRDS		HELENVILLE	53137	WI
35-28-0060	MORRIS R BRAOLEY	ROUTE 2	FT ATKINSON	53538	WI
35-28-0063	C PREUNINGER AND SDNS	ROUTE 1	FT ATKINSON	53538	WI
35-28-0070	WILLARD E GERNER	ROUTE 1	FT ATKINSON	53538	WI
35-28-0075	GILMER SCHUETT	ROUTE 2	WATERTOWN	53094	WI
35-28-0079	EUGENE HASEL	ROUTE 1	LAKE MILLS	53551	WI
35-28-0080	BIEWER BRDS	ROUTE 1	SULLIVAN	53178	WI
35-28-0084	RAY ARMSTRONG	ROUTE 1	FT ATKINSON	53538	WI
35-28-0091	DEAN MC DONALD @ SONS	ROUTE 6	WATERTOWN	53094	WI
35-28-0092	BATTIST FARMS INC	ROUTE 2	WATERLOO	53594	WI
35-28-0093	EL-RU ER8 FARMS	ROUTE 1	JOHNSON CRK	53038	WI
35-28-0097	AUGUST H SCHUTH	ROUTE 2	FT ATKINSON	53538	WI
35-28-0099	MERLIN KRDPF	ROUTE 4	WATERTOWN	53094	WI
35-28-0103	GLEN SCHWEMMER	ROUTE 3	FT ATKINSON	53538	WI
35-28-0111	CLARENCE SCHAOT & SON	ROUTE 6	WATERTOWN	53094	WI
35-28-0112	LESLIE MITCHELL	ROUTE 3	WATERTOWN	53094	WI
35-28-0117	LLDYO HOLTERMAN	ROUTE 3	WATERTOWN	53094	WI
35-28-0122	CLARENCE ORAEGER	ROUTE 2 BOX 208	FT ATKINSON	53538	WI

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	A O O R E S S O F O W N E R	TOWN	ZIP-CODE	STATE
35-28-0200	RUSSEL @ DEAN YANORY	ROUTE 2		FT ATKINSON	53538	WI
35-28-0240	PAUL RICE	ROUTE 6		WATERTOWN	53094	WI
35-28-0249	WM J RUPNOW JR	ROUTE 1		IXONIA	53036	WI
35-28-0308	MAPLELEAF FARM	ROUTE 2 80X 341		FT ATKINSON	53538	WI
35-28-0311	GENE BURLINGHAM	ROUTE 1		PALMYRA	53156	WI
35-28-0331	THOMAS A GRISWOLD SR	ROUTE 1 80X 27A		IXONIA	53036	WI
35-28-0372	JOE MAGARICH	ROUTE 5		WATERTOWN	53094	WI
35-29-0002	LOUIS BRUX @ SON	ROUTE 1		MAUSTON	53948	WI
35-29-0018	BARRETT BROS			CAMP DOUGLAS	54618	WI
35-29-0024	ARTHUR FRANK & SON			MAUSTON	53948	WI
35-29-0036	AOELBERT THOMPSON	P O 80X 75		ELROY	53929	WI
35-29-0044	SKI-HI FARMS			LYNCOON STA	53944	WI
35-29-0089	CLARENCE BERES	ROUTE 1 80X 19		ELROY	53929	WI
35-30-0004	LLOYD KNIGGE	ROUTE 1, 80X 70		BRISTOL	53104	WI
35-30-0017	ROSCOE TORREY @ SON	ROUTE 1		BRISTOL	53104	WI
35-30-0020	ROBERT PFEFFER	ROUTE 5 80X 474		BURLINGTON	53105	WI
35-30-0028	WALDO @ EMERY	ROUTE 2 80X 645		KENOSHA	53140	WI
35-30-0030	WM KOHLSTEOT	ROUTE 2 80X 336		SALEM	53168	WI
35-30-0045	WILLARD @ JAMES BAILEY	ROUTE 2 80X 482		KENOSHA	53140	WI
35-30-0048	TESCH BROTHERS	ROUTE 4 80X 216		BURLINGTON	53105	WI
35-30-0054	OAK HOLLOW FARM	ROUTE 1		GENOA CITY	53128	WI
35-30-0058	HIAWATHA FARM	ROUTE 1		STURTEVANT	53177	WI
35-30-0059	CECIL HILL	ROUTE 5 80X 584		KENOSHA	53140	WI
35-30-0065	THOMAS KRUEGER @ SON	ROUTE 5 80X 398		BURLINGTON	53105	WI
35-30-0068	ROY WILLE	ROUTE 1		GENOA CITY	53128	WI
35-30-0071	EVERETT MYERS	ROUTE 2		UNION GROVE	53182	WI
35-30-0081	LAOEN ACRES FARM	ROUTE 5 80X 64		BURLINGTON	53105	WI
35-30-0084	LYLE WILSON	ROUTE 3 80X 842		BURLINGTON	53105	WI
35-30-0087	ANDREW LOIS @ SONS	ROUTE 4 80X 335		BURLINGTON	53105	WI
35-30-0141	ERWIN A THIEDE	80X 124		TWIN LAKES	53181	WI
35-30-0153	SHADDOY ACRES	ROUTE 5 80X 706		BURLINGTON	53105	WI
35-31-0010	JOHN @ MIKE SEVCIK	ROUTE 2		KEWAUNEE	54216	WI
35-31-0024	FLOYD HANAMANN	ROUTE 1		ALGOMA	54201	WI
35-31-0030	KEN @ JOHN @ LYLE SIEGMUND	ROUTE 1		KEWAUNEE	54216	WI
35-31-0031	WALTER ULLMAN	ROUTE 1		CASCO	54205	WI
35-31-0032	ROBERT J LEVY	ROUTE 1		KEWAUNEE	54216	WI
35-31-0036	JOHN SRNKA	ROUTE 1		ALGOMA	54201	WI
35-32-0001	RUSSELL BRINGE			HOLMEN	54636	WI
35-32-0010	CONRAD NEHLS			WEST SALEM	54669	WI
35-32-0012	FLOYD JONES	ROUTE 1		BANGOR	54614	WI
35-32-0017	MILLARD MC RAE			MINOORO	54644	WI
35-32-0024	NORBERT TUTTLEMAN			WEST SALEM	54669	WI
35-32-0025	BERNARD PRALLE			ONALASKA	54650	WI
35-32-0029	ROBERT RHYME			WEST SALEM	54669	WI
35-32-0031	DOUGLAS PIERCE	KAYBUD FARM		BANGOR	54614	WI
35-32-0032	S SKEMP @ ROBERT WENDORF	ROUTE 1		LA CROSSE	54601	WI
35-32-0035	E SWARTHOUT @ BERT BROWN			WEST SALEM	54669	WI
35-32-0037	ALAN TIMM			HOLMEN	54636	WI
35-32-0038	LA CROSSE CO HOSPITAL			WEST SALEM	54669	WI
35-32-0040	MIENKING BROS			BANGOR	54614	WI
35-32-0041	R SKEMP & G WENDORF	515ST BANK 8LOG		LA CROSSE	54601	WI
35-32-0042	EARL PRALLE	ROUTE 2		BANGOR	54614	WI
35-32-0044	ONALDO TROCINSKI			HOLMEN	54636	WI
35-33-0007	WIS STATE UNIVERSITY FM	ROUTE 4		PLATTEVILLE	53818	WI
35-33-0030	A ANDREWS - SAALSAA BROS			SOUTH WAYNE	53587	WI
35-33-0032	EASTWOOD BROTHERS			ARGYLE	53504	WI
35-33-0040	FRANZE @ R HOOGSON	ROUTE 1		GRATIOT	53541	WI
35-33-0060	HOMER VOIGTS			PLATTEVILLE	53818	WI
35-33-0064	F @ E GENSLER CO	STAR ROUTE		SHULLSBURG	53586	WI
35-33-0082	ROBERT WARO	ROUTE 3		OARLINGTON	53530	WI
35-33-0300	WIS STATE UNIVERSITY FM	ROUTE 4		PLATTEVILLE	53813	WI
35-34-0007	LESTER WALOVOGEL	ROUTE 1		ANTIGO	54409	WI
35-34-0013	HARRY GLEICH	ROUTE 2		OBERBROOK	54424	WI
35-35-0017	SCHNEIDER BROS	ROUTE 5		MERRILL	54452	WI
35-35-0018	WALTER @ DEWEY SCHWOCH	ROUTE 2		MERRILL	54452	WI
35-35-0026	HAROLD SCHNEIDER	RT 5 80X 263		MERRILL	54452	WI
35-36-0011	EDWARD LEIST	ROUTE 2		REEOSVILLE	54230	WI
35-36-0013	WILLIAM H. MORGAN	ROUTE 1		CATO	54206	WI
35-36-0014	CHARLES HANSEN	ROUTE 2		KIEL	53042	WI
35-36-0015	JOHN KOLB JR	ROUTE 1		CLEVELAND	53015	WI
35-36-0018	ELMER H GRIES	ROUTE 1		VALOERS	54245	WI
35-36-0026	WILLARD LEITERITZ	ROUTE 1		CLEVELAND	53015	WI
35-36-0030	HILBERT STEFL	ROUTE 1		MISHICOT	54228	WI
35-36-0049	ARNOLD SCHULER	ROUTE 1		VALOERS	54245	WI
35-36-0062	EDWIN RANK	ROUTE 2		MANITOWOC	54220	WI
35-36-0067	EDWARD KLESSIG & SONS	ROUTE 1		CLEVELAND	53015	WI
35-36-0070	REUBEN WEHAUSEN	ROUTE 1		MANITOWOC	54220	WI
35-36-0075	JAMES MILLER	ROUTE 1		NEWTON	53063	WI
35-36-0078	ROBERT BINVERSIE	ROUTE 2		KIEL	53042	WI
35-36-0080	HAROLD HOLSCHBACH	ROUTE 3		MANITOWOC	54220	WI
35-36-0081	CHRIST HAGENOW	ROUTE 1		REEOSVILLE	54230	WI
35-36-0085	ELMER NAGEL & SON	ROUTE 1		VALOERS	54245	WI
35-36-0090	GEORGE F MORGAN	ROUTE 1		CATO	54206	WI
35-36-0095	ALAN SIEKER	ROUTE 1		VALDERS	54245	WI
35-36-0096	COLONIAL DAIRY FARM			ST. NAZIANZ	54232	WI

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-36-0099	EUGENE BINVERSIE	ROUTE 2	KIEL	53042	WI
35-36-0104	ROY WEHAUSEN	ROUTE 1	MANITOWOC	54220	WI
35-36-0106	ROLAND H GOEKE	ROUTE 1	NEWTON	53063	WI
35-36-0114	KENNETH REICHWALOT	ROUTE 1	NEWTON	53063	WI
35-36-0118	SUNNYSIDE OAIRY FARMS	ROUTE 1	VALOERS	54245	WI
35-36-0120	ALVIN KRACHT	ROUTE 1	NEWTON	53063	WI
35-36-0123	HAROLD BEHNKE	ROUTE 1	VALOERS	54245	WI
35-36-0124	WENZEL BROS	ROUTE 2	BRILLION	54110	WI
35-36-0128	JOSEPH KORINEK	ROUTE 1	CATO	54206	WI
35-36-0135	DAVID SOUKUP	ROUTE 1	OENMARK	54208	WI
35-36-0143	HARLEN KRAHN	ROUTE 2	BRILLION	54110	WI
35-36-0149	PALMER KRACHT	ROUTE 1	NEWTON	53063	WI
35-36-0238	KENNETH TESARIK	ROUTE 2	MANITOWOC	54220	WI
35-36-0316	JOSEPH E WELCH	ROUTE 2	REEOSVILLE	54230	WI
35-36-0354	WALTER E BORGWAROT	ROUTE 1	VALOERS	54245	WI
35-36-0408	PAUL STAUINGER	ROUTE 2	REEOSVILLE	54230	WI
35-36-0414	KURT BERTSCHI	ROUTE 3	MANITOWOC	54220	WI
35-36-0431	JAMES SCHOLZ	ROUTE 1	CHILTON	53014	WI
35-37-0012	WILLIAM EASKER	ROUTE 3	BIRNHAMWOOD	54414	WI
35-37-0016	HAROLD A PETERSEN	ROUTE 1	ELAND	54427	WI
35-37-0033	FOREST LAWN FARM	ROUTE 3	WAUSAU	54401	WI
35-37-0047	LESTER UTECH	ROUTE 1	MERRILL	54452	WI
35-37-0055	RONALD FRANKOWIAK	ROUTE 2	STRATFORD	54484	WI
35-37-0056	GEORGE MORTENSON	ROUTE 2	WAUSAU	54401	WI
35-37-0060	WALTER KLAPEL	ROUTE 2	EOGAR	54426	WI
35-37-0067	CLIFFORD KOLPACK	ROUTE 2	EOGAR	54426	WI
35-37-0068	EUGENE WITTER	RT 1 BOX 423	WAUSAU	54401	WI
35-37-0072	ELROY PELIKAN	ROUTE 2	EOGAR	54426	WI
35-37-0083	ALEX M BAUMANN	ROUTE 5	WAUSAU	54401	WI
35-37-0090	TOTZKE BROS	ROUTE 1	EOGAR	54426	WI
35-37-0115	JOSEPH WALOVOGEL	ROUTE 1	WAUSAU	54401	WI
35-37-0241	C L UTECH	ROUTE 5	MERRILL	54452	WI
35-37-0400	GERALD G KOPS	ROUTE 1	UNITY	54488	WI
35-37-0432	RONALD GOTZ	ROUTE 4	MARSHFIELD	54449	WI
35-39-0022	ROBERT CUMMINGS	ROUTE 1	WESTFIELD	53964	WI
35-39-0055	ROBINSON FARMS	WAYNE STICK-ROUTE	OXFORD	53952	WI
35-42-0039	ROY E JACOBS	ROUTE 1	SPARTA	54656	WI
35-42-0123	PATRICK OWYER		KENOALL	54638	WI
35-42-0244	E HALDEMAN @ J MAOGETT	ROUTE 1	SPARTA	54656	WI
35-42-0245	FLOYD L NICHOLS	FARM 2 ROUTE 1	SPARTA	54656	WI
35-42-0384	HARRY FRIEDL		KENOALL	54638	WI
35-43-0013	BERNARD STODOLA	ROUTE 2	POUND	54161	WI
35-43-0019	OR RAYMOND SCHOFIELD	% JOHN SIMPSON RT	GILLET	54124	WI
35-43-0021	HOWARD N LEHNER		OCOTO FALLS	54154	WI
35-43-0027	J FRANKLIN JONES		GILLET	54124	WI
35-43-0028	CLINTON BREHMER	ROUTE 1	ABRAMS	54101	WI
35-43-0033	DANIEL IMIG	ROUTE 1	OCOTO	54153	WI
35-43-0038	RONALD APRILL	ROUTE 2	OCOTO FALLS	54154	WI
35-45-0012	LESTER KRAHN	ROUTE 1	SEYMOUR	54165	WI
35-45-0030	CLEMENS EGGERT	ROUTE 3	APPLETON	54910	WI
35-45-0050	ARNOLD VOLKMAN	ROUTE 2	BLACK CREEK	54106	WI
35-45-0067	WESLEY NEWHOUSE	ROUTE 2	KAUKAUNA	54130	WI
35-45-0068	ROBERT KIMBALL	ROUTE 1	SEYMOUR	54165	WI
35-45-0077	ROBERT PALTZER	ROUTE 3	APPLETON	54910	WI
35-45-0081	MARVIN KRAHN	ROUTE 1	SEYMOUR	54165	WI
35-45-0091	MELVIN BLOHM	ROUTE 1	SEYMOUR	54165	WI
35-45-0117	OSCAR MILLER	ROUTE 1	BLACK CREEK	54106	WI
35-45-0142	ALBERT BRUNS	ROUTE 2	HORTONVILLE	54944	WI
35-45-0147	JOHN KELLY		MEONA	54951	WI
35-45-0150	MIKE HENN	ROUTE 3	SEYMOUR	54165	WI
35-45-0155	CY LETTER	ROUTE 2	SEYMOUR	54165	WI
35-45-0157	CHARLES KELLY	ROUTE 1	APPLETON	54910	WI
35-45-0165	NORBERT SCHMIOT	ROUTE 3	KAUKAUNA	54130	WI
35-45-0170	NORMAN SCHNECKLOTH @ SON	ROUTE 2	W O E PERE	54178	WI
35-45-0176	JOHN A VER VOORT	ROUTE 1	KAUKAUNA	54130	WI
35-45-0177	KUETTEL FARMS	ROUTE 2	HORTONVILLE	54944	WI
35-45-0180	WILLIAM LETTER	ROUTE 1	BLACK CREEK	54106	WI
35-45-0185	JAMES SEEFELDT	ROUTE 2	SEYMOUR	54165	WI
35-45-0191	PETER VER VOORT	ROUTE 1	SEYMOUR	54165	WI
35-45-0192	MOSSHOLTER FARMS	ROUTE 2	APPLETON	54910	WI
35-45-0262	JAMES LETTER	ROUTE 2 BOX 193	SEYMOUR	54165	WI
35-45-0263	WALTER JURGENS @ SONS	ROUTE 2	SEYMOUR	54165	WI
35-46-0006	OTTO KOHLWEY JR	ROUTE 1	GRAFTON	53024	WI
35-46-0008	KENNETH HELMS	ROUTE 1	GRAFTON	53024	WI
35-46-0011	ERWIN J RIEMER	9231W 80NIWELL	136N MEQUON	53092	WI
35-46-0015	OSCAR WIECHERT	ROUTE 1	CEARBURG	53012	WI
35-46-0057	HAROLD KLUG	RT 3-1584 PIONEER	CEARBURG	53012	WI
35-47-0018	PITTMAN BROS		ARKANSAW	54721	WI
35-48-0018	HARLEY E RUOSILL		BALOWIN	54002	WI
35-48-0022	GOROON ELY		BELOENVILLE	54003	WI
35-48-0028	JOHN V SCHUMAKER		ELLSWORTH	54011	WI
35-48-0075	HARVEY JENSEN @ SON	ROUTE 3	RIVER FALLS	54022	WI
35-48-0076	WIS STATE UNIVERSITY FM	RT 3 BOX 219	RIVER FALLS	54022	WI
35-48-0079	WM HEISE		ELLSWORTH	54011	WI
35-48-0083	KENT RUOSILL	ROUTE 1	BALOWIN	54002	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-48-0084	DONOVAN ROBEY	ROUTE 1	RIVER FALLS	54022	WI
35-48-0085	VICTOR TRAYNOR & SONS	HONEYCREST FARM	SPG VALLEY	54767	WI
35-48-0124	RALPH LINDSTROM	ROUTE 1	ELLSWORTH	54011	WI
35-49-0013	ROLAND MARSHALL	ROUTE 3	AMERY	54001	WI
35-49-0014	PERLEY HAUGERUD		AMERY	54001	WI
35-49-0016	LLOYD H JOHNSON		NEW RICHMOND	54017	WI
35-49-0018	AARON KUSKE		OSCEOLA	54020	WI
35-49-0022	HELMER HOSE		CLEAR LAKE	54005	WI
35-49-0026	H L SWANSON AND SONS		AMERY	54001	WI
35-49-0028	ROBERT G. MAYER		DEER PARK	54007	WI
35-49-0031	PAUL A PAULSON		CLEAR LAKE	54005	WI
35-49-0033	VERNON SETTER		DEER PARK	54007	WI
35-49-0035	DEER LAKE FARM		ST CROIX FLS	54024	WI
35-49-0040	ROYALE W BUSS		DRESSER	54009	WI
35-49-0046	LE ROY & RUSSELL JOHNSON		DRESSER	54009	WI
35-49-0052	WILLIAM BOSAK		FREDERIC	54837	WI
35-49-0055	CLARENCE FROKJER		CENTURIA	54824	WI
35-49-0082	CURTIS TUMSOEN		ST CROIX FLS	54024	WI
35-49-0083	LA VERNE RASMUSSEN	ROUTE 3	AMERY	54001	WI
35-49-0111	KERMIT GREEN		ST CROIX FLS	54024	WI
35-49-0141	GALE GRATHWOHL		TURTLE LAKE	54889	WI
35-49-0150	JOHN ELLEFSON	ROUTE 1	CUSHING	54006	WI
35-49-0176	ROY MAGLER	ROUTE 1	AMERY	54001	WI
35-49-0368	CRAIG COX		CENTURIA	54824	WI
35-50-0004	GALE F GOROON		NELSONVILLE	54458	WI
35-50-0005	WALTER BROCK JR		JCT. CITY	54443	WI
35-50-0009	PRAIRIE STAR FARM INC	500070	PLOVER	54467	WI
35-50-0023	JAMES M O KEEFE	RT 1 BOX 246	STEVENS PT	54481	WI
35-51-0006	CARL & CLINTON HARTWAY		PARK FALLS	54552	WI
35-51-0024	NELSON BROS FARM		BRANTWOOD	54513	WI
35-52-0023	DONALD B LEE	ROUTE 1	STURTEVANT	53177	WI
35-52-0038	UNION GROVE STATE FARM	BOX 87	UNION GROVE	53182	WI
35-52-0039	NORMAN LAUBER	ROUTE 1	UNION GROVE	53182	WI
35-52-0044	CHARLES NORTH	ROUTE 1 BOX 819	WATERFORD	53185	WI
35-52-0056	GRAY VIEW FARMS	ROUTE 2 BOX 197	UNION GROVE	53182	WI
35-52-0079	HARRY NORTH	ROUTE 1 BOX 516	BURLINGTON	53105	WI
35-52-0085	EARL HOLTERMAN & SONS	ROUTE 1, 413D 7M R	CALEONIA	53108	WI
35-52-0112	ELAM BUTTLES	ROUTE 2 BOX 703	WATERFORD	53185	WI
35-52-0126	HENRICKS & LARSEN	ROUTE 1 BOX 53	UNION GROVE	53182	WI
35-53-0010	GERALD MICK	ROUTE 3	RICHLAND CTR	53581	WI
35-53-0012	LYNFORD E LOOKER	ROUTE 2	VIOLA	54664	WI
35-53-0017	ORVAL PELLETT	ROUTE 1	VIOLA	54664	WI
35-53-0022	F BREWER & R MARTIN	ROUTE 3	RICHLAND CTR	53581	WI
35-53-0023	THERON KELLER	ROUTE 2	RICHLAND CTR	53581	WI
35-53-0026	ARLAND J MC KITTRICK	ROUTE 2	VIOLA	54664	WI
35-53-0028	ITHACO FARMS NO. 1	ROUTE 2	RICHLAND CTR	53581	WI
35-53-0035	DONALD SPANGLER	ROUTE 2	YUBA	54672	WI
35-53-0041	FRANK B TURGASEN	ROUTE 1	RICHLAND CTR	53581	WI
35-53-0042	OOSCH BROS	ROUTE 1	RICHLAND CTR	53581	WI
35-53-0052	MIKE SCHAUF	ROUTE 2	RICHLAND CTR	53581	WI
35-53-0053	OAKWOOD FRUIT FARM INC	ROUTE 2	RICHLAND CTR	53581	WI
35-53-0059	CARROLL KEPLER JR	ROUTE 1	RICHLAND CTR	53581	WI
35-53-0237	MARTIN FARMS	LONE ROCK	LONE ROCK	53556	WI
35-53-0305	KEITH OECKERT & R KEPLER	ROUTE 4	RICHLAND CTR	53581	WI
35-54-0029	GERNER FARMS	ROUTE 3	WHITEWATER	53190	WI
35-54-0036	KENNETH HABERMAN	ROUTE 5	JANESVILLE	53545	WI
35-54-0040	CHESTER LUCEY	ROUTE 2	JANESVILLE	53545	WI
35-54-0041	BOYO BALIS	ROUTE 4	JANESVILLE	53545	WI
35-54-0042	RICHARD NYMAN		ORFORDVILLE	53576	WI
35-54-0045	SHADEL FARM	ROUTE 1	JANESVILLE	53545	WI
35-54-0052	GEORGE BARLASS & SONS	ROUTE 1	JANESVILLE	53545	WI
35-54-0054	VINEY FARMS INC		EVANSVILLE	53536	WI
35-54-0055	RALPH GREEN	RT 1	MILTON JCT	53564	WI
35-54-0063	MULDER FARMS	BOX 687	MILTON JCT	53564	WI
35-54-0069	GEORGE RYE	ROUTE 1	AVALON	53505	WI
35-54-0070	RALPH RYE	ROUTE 1	AVALON	53505	WI
35-54-0072	JOHN GRUNZEL & SON	ROUTE 2	JANESVILLE	53545	WI
35-54-0261	MELVIN JAMES & SONS		EVANSVILLE	53536	WI
35-54-0263	RALPH CROCKER	ROUTE 2	BROOKLYN	53521	WI
35-54-0354	MR & MRS J R LEE	ROUTE 1	CLINTON	53525	WI
35-55-0009	THOMAS HEATH		TONY	54563	WI
35-55-0010	WILLIAM VAN OORN JR		TONY	54563	WI
35-55-0012	CASIMIR HEINY		LADYSMITH	54848	WI
35-55-0033	EARL GOFF & SON		BRUCE	54819	WI
35-55-0038	CLINTON NELSON		GLEN FLORA	54526	WI
35-56-0009	JAN & GERRIT VAN OYK	R R	NEW RICHMOND	54017	WI
35-56-0020	HAROLD BOS		DEER PARK	54007	WI
35-56-0032	ARLO HOLMAN	BREEZE HILL FM	BALDWIN	54002	WI
35-56-0033	JAMES GILLIS		WOODVILLE	54028	WI
35-56-0035	EDWARD KRUSCHKE		NEW RICHMOND	54017	WI
35-56-0037	WILLIAM JENSEN & SON		RIVER FALLS	54022	WI
35-56-0041	HAROLD HUNTER		ROBERTS	54023	WI
35-56-0045	JAMES A RAY		ROBERTS	54023	WI
35-56-0050	ST CROIX COUNTY FARM		NEW RICHMOND	54017	WI
35-56-0057	JOHN AFDAHL		HAMMOND	54015	WI

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-56-0071	ART @ OAVIO LOGGHE		GLENWOOD CY	54013	WI
35-56-0088	BERN-ANN FARM		NEW RICHMONO	54017	WI
35-56-0096	GERHART SCHEELE		WOODVILLE	54028	WI
35-56-0118	FREORICK SCHNITZLER JR.		GLENWOOD CY	54013	WI
35-56-0144	NEIL G HOFFMAN		SPG VALLEY	54767	WI
35-56-0235	HARVEY SERIER		BALOWIN	54002	WI
35-56-0256	CHAS S KELLY		HUOSON	54016	WI
35-56-0364	GEO @ ELEANOR TIMMERMAN	ROUTE 1	HUOSON	54016	WI
35-57-0009	HARVEY ACCOLA		PR OU SAC	53578	WI
35-57-0017	HOWARO HASHEIOER		SAUK CITY	53583	WI
35-57-0022	VICTOR C POWELL	ROUTE 3	REEOSBURG	53959	WI
35-57-0032	PAUL OENMAN	ROUTE 1	LA VALLE	53941	WI
35-57-0039	SAUK COUNTY FARM		REEOSBURG	53959	WI
35-57-0042	E E KRUSE		LOGANVILLE	53943	WI
35-57-0043	MARVIN SCHUETTE	ROUTE 3	REEOSBURG	53959	WI
35-57-0045	LA VERNE HASSE	LOGANVILLE	LOGANVILLE	53943	WI
35-57-0047	LEANOR BRANOT		HILLPOINT	53937	WI
35-57-0053	WILLIAM A TANK		SAUK CITY	53583	WI
35-57-0063	KENNETH HANUSA	KENYON E GIESE	LOGANVILLE	53943	WI
35-57-0077	C SIEMANOEL AND SON		HILLPOINT	53937	WI
35-57-0085	WM SCHWARTZ AND SONS		LOGANVILLE	53943	WI
35-57-0086	FREO SPEICH	ROUTE 3	REEOSBURG	53959	WI
35-57-0087	ROE SHULTIS JR.		REEOSBURG	53959	WI
35-57-0090	LEON KINOSCHI		SPG GREEN	53588	WI
35-57-0105	HEATHERSTONE ENT.	O. HEGNA, MGR.	BARABOO	53913	WI
35-57-0327	OONALO GROSS		WONEWOC	53968	WI
35-57-0375	HOWARD F PRATHER	ROUTE 1	LOGANVILLE	53943	WI
35-59-0012	SCHMIOT BROS	ROUTE 1	BIRNAMWOOD	54414	WI
35-59-0071	SHAWANO CO HOSPITAL		SHAWANO	54166	WI
35-59-0078	RAYMONO JAREK	ROUTE 1	BONOUEL	54107	WI
35-59-0084	ERICH FROEMMING	ROUTE 3	CLINTONVILLE	54929	WI
35-59-0091	HUBERT @ GOROON LINONER	ROUTE 2	SHAWANO	54166	WI
35-59-0100	KEN NATZKE	ROUTE 1	BONOUEL	54107	WI
35-59-0103	CURTIS SCHNEIOER	ROUTE 2	BONOUEL	54107	WI
35-59-0105	WALLACE ZERNICKE	ROUTE 1	CECIL	54111	WI
35-59-0119	CLIFFORO POWERS	ROUTE 1	PULASKI	54162	WI
35-59-0123	EDWARD O KROHLOW	ROUTE 1	BLACK CREEK	54106	WI
35-59-0132	LAVERN RICHTER	ROUTE 3	SHAWANO	54166	WI
35-60-0001	KLEINHANS GREEN ACRES IN	ROUTE 1	SHEBOYGN FLS	53081	WI
35-60-0024	HENRY F RAUTMANN	ROUTE 1	SHEBOYGN FLS	53081	WI
35-60-0036	HAROLO LAUX	ROUTE 1	AOELL	53001	WI
35-60-0040	WALTER NIEROOE	ROUTE 1	WALOO	53093	WI
35-60-0049	FRANCIS WEBB	ROUTE 2	PLYMOUTH	53073	WI
35-60-0052	GREAT HOME FARM	ROUTE 1	BELGIUM	53004	WI
35-60-0055	WILLARO A BEUCHEL	ROUTE 2	SHEBOYGN	53081	WI
35-60-0060	PINEHURST FARM	ROUTE 2	SHEBOYGN FLS	53081	WI
35-60-0064	FRANK & WILLARO UBBELOHO	ROUTE 1	PLYMOUTH	53073	WI
35-60-0073	HARVEY @ LESLIE WUNSCH	ROUTE 1	SHEBOYGN	53081	WI
35-60-0079	WM FRAUENHEIM	ROUTE 1	RANOOM LAKE	53075	WI
35-60-0080	GAYLORO HELLMER	ROUTE 1	CASCAOE	53011	WI
35-60-0083	FREORICK SPRENGER	ROUTE 1	SHEBOYGN FLS	53081	WI
35-60-0089	RAY BORN	ROUTE 1	PLYMOUTH	53073	WI
35-60-0094	STEVE WITKOWSKI	ROUTE 2	PLYMOUTH	53073	WI
35-60-0099	BERNARO KLEIBER	ROUTE 1	PLYMOUTH	53073	WI
35-60-0107	JEROME JUNG	ROUTE 1	RANOOM LAKE	53075	WI
35-60-0116	ALLAN WINTER	ROUTE 1	RANOOM LAKE	53075	WI
35-60-0123	MARVIN SIEGERT	ROUTE 1	SHEBOYGN FLS	53081	WI
35-60-0125	FREORICK PERRONNE	ROUTE 1	SHEBOYGN FLS	53081	WI
35-61-0014	MERL SAMPLOWSKI		STANLEY	54768	WI
35-61-0016	HENRY BURCH		SHELOON	54766	WI
35-61-0026	KENNETH MICK	ROUTE 1	GILMAN	54433	WI
35-61-0027	E J MC CARRON	R F O 1	MEOFORO	54451	WI
35-61-0028	CARL JUONIC	ROUTE 1	MEOFORO	54451	WI
35-62-0010	LEONARO BROWN AND SON		OSSEO	54758	WI
35-62-0012	EVERETTE HERNES		WHITEHALL	54773	WI
35-62-0022	BENSEL HAINES		ARCAOIA	54612	WI
35-62-0048	MERLE HARNES		GALESVILLE	54630	WI
35-62-0050	TREMPEALEAU CO. HOSPITAL		WHITEHALL	54773	WI
35-62-0054	EUGENE HAINES		ARCAOIA	54612	WI
35-62-0057	MARSHALL NEHRING		TREMPEALEAU	54661	WI
35-62-0068	LEONARO OINES		GALESVILLE	54630	WI
35-62-0071	DOUGLAS R KOPP	ROUTE 2	WHITEHALL	54773	WI
35-62-0117	RICHARD LETTNER		TREMPEALEAU	54661	WI
35-62-0274	STEVE LAMBERSON		WHITEHALL	54773	WI
35-63-0003	WAYNE BARNES	ROUTE 1	HILLSBORO	54634	WI
35-63-0016	FRANCIS OENMAN	ROUTE 3	HILLSBORO	54634	WI
35-63-0023	LAVERNE HALL @ SONS		WESTBY	54667	WI
35-63-0061	ARNIE SHERRY		VIROQUA	54665	WI
35-63-0066	ARTHUR THIEGE	RURAL ROUTE 2	WESTBY	54667	WI
35-63-0075	BLAINE BRYE	RFO 2	VIROQUA	54665	WI
35-63-0079	GREENBORO FARMS	R KAHLER C STANEK	HILLSBORO	54634	WI
35-63-0105	SHERMAN ERLANOSON	ROUTE 1	WESTBY	54667	WI
35-63-0110	ALSTON RAAUM		VIROQUA	54665	WI
35-63-0114	RAYMONO BUHR		WESTBY	54667	WI
35-63-0115	OCEAN JOHNSON	ROUTE 1	GENOA	54632	WI

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-63-0120	M R MCCLURG @ SONS	ROUTE 2	VIROQUA	54665	WI
35-63-0124	OLAF GRONVOLO	RURAL ROUTE	CHASEBURG	54621	WI
35-63-0237	CHARLES ERICKSON		WESTBY	54667	WI
35-65-0004	MC CELLAN FMS C/O FRANK	ROUTE 2 BOX 121	OELAVAN	53115	WI
35-65-0026	DEAN TAYLOR	ROUTE 2 FARM 1	WHITEWATER	53190	WI
35-65-0027	DEAN TAYLOR	ROUTE 2 FARM 2	WHITEWATER	53190	WI
35-65-0087	RUBY ACRES	ATT FLOYD PECK	ELKHORN	53121	WI
35-65-0114	SLEEPY HILL FARM	ROUTE 2 BOX 426	OELAVAN	53115	WI
35-65-0151	BENJAMIN E OIBBLE	ROUTE 1	OELAVAN	53115	WI
35-65-0168	WILLIAM YURS	ROUTE 2	ELKHORN	53121	WI
35-65-0173	MAUR-MAR FARMS	ROUTE 1	WALWORTH	53184	WI
35-65-0197	HENRY HEERINGA	BOX 528 ROUTE 2	OELAVAN	53115	WI
35-65-0203	JAY WINN	ROUTE 2	WHITEWATER	53190	WI
35-65-0212	BURNELL MEYER	ROUTE 1	OARIEN	53114	WI
35-65-0214	CLEM WALTER	ROUTE 3	ELKHORN	53121	WI
35-65-0216	HOWARD HOME FARM	ROUTE 2	WHITEWATER	53190	WI
35-65-0218	WALWORTH CO. FARM		ELKHORN	53121	WI
35-65-0226	THOMAS & OARLENE HILL	R 2 BOX 346 JNSN R	BURLINGTON	53105	WI
35-65-0249	WILLARD MAOJUS	ROUTE 4 BOX 183	BURLINGTON	53105	WI
35-65-0254	GEORGE HELO JR	BOX 205	LYONS	53148	WI
35-65-0266	S W DAIRY HIGHLAND FARM	ROUTE 1 BOX 685	LAKE GENEVA	53147	WI
35-65-0267	E. & F. NIENHOFF	ROUTE 1	ELKHORN	53121	WI
35-65-0294	MELVIN & CAL ROBERS	ROUTE 4	BURLINGTON	53105	WI
35-65-0308	RALPH RUOSINSKI	ROUTE 3 BOX 468	OELAVAN	53115	WI
35-65-0334	RICHARD KUECKER	ROUTE 3	LAKE GENEVA	53147	WI
35-66-0004	WEBER WEST		SARONA	54870	WI
35-66-0014	DONALD FURCHTENICHT	ROUTE 2	SHELL LAKE	54871	WI
35-66-0017	OSWALO RINOSIG	RURAL ROUTE	BIRCHWOOD	54817	WI
35-67-0002	PAUL PAMPERIN	ROUTE 1	ALLENTON	53002	WI
35-67-0020	CYRIL ROHOE	ROUTE 3	HARTFORD	53027	WI
35-67-0038	EDWARD & HARVEY KLUMB	ROUTE 3	WEST BENO	53095	WI
35-67-0042	MAYERS FARMS R.H. @ F.R.	ROUTE 1 BOX 247	SLINGER	53086	WI
35-67-0048	ANTON WIEOMEYER	ROUTE 1	RICHFIELD	53076	WI
35-67-0052	W M @ O H PHILIPPI	ROUTE 6	WEST BENO	53095	WI
35-67-0054	THOMAS WIEOMEYER	ROUTE 1	WEST BENO	53095	WI
35-67-0061	JOSEPH R SCHMITT		COLGATE	53017	WI
35-67-0069	JAMES ESSELMANN	ROUTE 6	WEST BENO	53095	WI
35-67-0078	ELMER BECKER	ROUTE 3	HARTFORD	53027	WI
35-67-0081	ROLAND & GERALD RATE	ROUTE 3	WEST BENO	53095	WI
35-67-0084	HILBERT SCHEUNEMANN	ROUTE 6	WEST BENO	53095	WI
35-67-0087	JAMES A WIEOMEYER	ROUTE 1	WEST BENO	53095	WI
35-67-0091	PETER LANGENECKER	ROUTE 2	HARTFORD	53027	WI
35-67-0209	OALE E MELIUS	ROUTE 1	JACKSON	53037	WI
35-68-0002	L OWENS & R BAEHLER	2609 S HWY CC	OCONOMOWOC	53066	WI
35-68-0008	ROGER W BERG	ROUTE 1 BOX 132 A	WAUKESHA	53186	WI
35-68-0009	MERVIN OALTON	R 1 BOX 226	HARTLAND	53029	WI
35-68-0029	WALTER & ROBERT HODD		NO PRAIRIE	53153	WI
35-68-0030	DONALD KLUSSENDOORF	BOX 34	NO PRAIRIE	53153	WI
35-68-0050	ALVIN C. BASSE	ROUTE 1	MUSKEGO	53150	WI
35-68-0052	RAY BAUMGARTNER @ SON	ROUTE 1	EAGLE	53119	WI
35-68-0054	KUHTZ BROS	ROUTE 2	WAUKESHA	53186	WI
35-68-0063	FRYDA JERSEYS	W250NB243 HILLSIDE	SUSSEX	53089	WI
35-68-0071	MAWOOWY FARM	ROUTE 1	DOUSMAN	53118	WI
35-68-0075	A V & J A CULL	ROUTE 3 BOX 665	PEWAUKEE	53072	WI
35-68-0078	MORRIS BROS	ROUTE 4 BOX 122	OCONOMOWOC	53066	WI
35-68-0083	LURVEY BROS		DOUSMAN	53118	WI
35-68-0091	DONALD BURTON	ROUTE 1	EAGLE	53119	WI
35-68-0095	ALVIN KAU	ROUTE 1	EAGLE	53119	WI
35-68-0097	GEORGE KAU	ROUTE 1	EAGLE	53119	WI
35-68-0115	CHAS H NELSON & SONS	S 39 W34590RT 1	B 30 DOUSMAN	53118	WI
35-68-0117	A O JENKINS	ROUTE 1	WAUKESHA	53186	WI
35-68-0119	CURTIS ORCHARO	ROUTE 2	EAGLE	53119	WI
35-68-0120	GEO MC KERROW AND SON	FARM 1	PEWAUKEE	53072	WI
35-68-0128	GEO MC KERROW AND SON	FARM 2	PEWAUKEE	53072	WI
35-68-0148	THE 4-LINKS GUERNSEY FAR	ROUTE 1 BOX 413	BIG BENO	53103	WI
35-68-0154	RED BRAE FARM		EAGLE	53119	WI
35-68-0161	CHESTER & BARBARA WILLIAMS	ROUTE 1	WAUKESHA	53186	WI
35-68-0193	BOGGS & LINOGRIN	36625 MAPLETON ROA	OCONOMOWOC	53066	WI
35-69-0013	HARVEY WENOT	ROUTE 2	WEAUAUEGA	54983	WI
35-69-0018	LEON & DOUGLAS THOMA	ROUTE 2	NEW LONDON	54961	WI
35-69-0026	O. A. RITCHIE	ROUTE 3	NEW LONDON	54961	WI
35-69-0029	LEONARD KOBIKE	ROUTE 3	WAUPACA	54981	WI
35-69-0031	DONALD @ WILLIAM PETERSO		SCANONAVIA	54977	WI
35-69-0033	R H SMITH	ROUTE 4	WAUPACA	54981	WI
35-69-0052	OSCAR DONALD KIETH LONG	ROUTE 2 BOX 372	WEAUAUEGA	54983	WI
35-69-0062	LEONARD L RISKE	ROUTE 2	MANAWA	54949	WI
35-69-0073	BUOD A SMITH	ROUTE 4	WAUPACA	54981	WI
35-70-0001	RICHARD BLOCH		PLAINFIELD	54966	WI
35-70-0008	GOROON KRENTZ	ROUTE 1 BOX 229	BERLIN	54923	WI
35-70-0013	HARLAN A BEUTLER		COLOMA	54930	WI
35-70-0017	NELSON SEWARD	ROUTE 2	FREMONT	54940	WI
35-70-0099	ALLAN KILLAM	ROUTE 1	PINE RIVER	54965	WI
35-71-0008	PAUL FOWLER	6170 FOND DU LAC R	OSHKOSH	54901	WI
35-71-0011	GRUNOY FARMS	1556 SUNNYVIEW ROA	OSHKOSH	54901	WI
35-71-0017	G F DE KEYSER	ROUTE 1	NEENAH	54956	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-71-0022	BASLER FARMS	5728 KNAPP ST RT 2	OSHKOSH	54901	WI
35-71-0037	PHIL COWAN	2011 KNAPP ST	OSHKOSH	54901	WI
35-71-0045	WINNEBAGO STATE FARM		WINNEBAGO	54985	WI
35-71-0054	HOWARD BECK	5886 SKELTON RD, R	OSHKOSH	54901	WI
35-71-0057	RAY VANDER HEIDEN	ROUTE 2	NEENAH	54956	WI
35-71-0063	EARL M HOLVERSON		LARSEN	54947	WI
35-71-0071	GEORGE DOBBERKE	ROUTE 1	NEENAH	54956	WI
35-71-0072	JOHN BRADLEY	5545 OER DR-RT 1	PICKETT	54964	WI
35-71-0110	VERNON KEYS	ROUTE 2 BOX 69A	OMRO	54963	WI
35-72-0024	MARSHFIELD EXP STAT		MARSHFIELD	54449	WI
35-72-0030	CHARLES HUSER	RR	VESPER	54489	WI
35-72-0042	JIM URBAN	ROUTE 2	PITTSVILLE	54466	WI
35-72-0048	OJARS REKIS	ROUTE 1 BOX 283	MARSHFIELD	54449	WI
35-73-0001	ROSWELL BABLER	302 S CHURCH	ORANGEVILLE	61060	IL
41-01-0005	TURNOCK BROTHERS		LAWLER	55759	MN
41-01-0030	W H BUTCHER		KIMBERLY	56457	MN
41-02-0008	MARVIN S LARSON	L-PINE FARM R R 2	ANOKA	55303	MN
41-02-0049	RAYMOND JONES	R R 1	ELK RIVER	55330	MN
41-05-9042	JOHN P JONES	OERHOLM FARM BX34	OAK PARK	56357	MN
41-07-0012	E R & ROBERT MERTESDORF	R R	VERNON CENTER	56090	MN
41-07-0036	POPPE BROS		GOOD THUNDER	56037	MN
41-07-9005	L L CROSWELL & SON		LAKE CRYSTAL	56055	MN
41-07-9024	C N ADAMS AND SON	R R 3	MANKATO	56001	MN
41-07-9029	DONALD GLAMM	R R 3	JANESVILLE	56048	MN
41-07-9096	BLAINE P PHILLIPS	R R 3	JANESVILLE	56048	MN
41-08-9004	DENNIS SANDMANN	ROUTE 1	NEW ULM	56073	MN
41-08-9010	OLIVER MARTI & SONS	R R 1	SLEEPY EYE	56085	MN
41-09-0006	GEORGE ORASKOVICH		CARLTON	55718	MN
41-09-0053	MATTSON BROS		WRENSHALL	55797	MN
41-09-9063	WAYNE PICKNELL	R R 1	WRENSHALL	55797	MINN
41-10-0065	CARL A HEDTKE	R R	YOUNG AMERICA	55397	MN
41-10-0082	CLIFFORD TRENDE	R R 1 BOX 115	COLOGNE	55322	MN
41-10-0171	SILAS TESCH		WATERTOWN	55388	MN
41-10-0179	LOTHAR WOLTER & SONS		NORWOOD	55368	MN
41-10-0275	BRUEGGEMEIER BROS		NEW GERMANY	55367	MN
41-10-0314	HENRY O LENZEN	R R 1 BOX 84	WATERTOWN	55388	MN
41-10-0318	ARLO HENNING	R R 1 BOX 16	MAYER	55360	MN
41-10-0324	ORREL KUTZKE	R R 1 BOX 149	MAYER	55360	MN
41-10-0335	EARL GNAN	R R 1	NORWOOD	55368	MN
41-10-0345	FRED SCHRUPP		MAYER	55360	MN
41-10-0347	JAMES LAUMANN & SONS		YOUNG AMERICA	55397	MN
41-10-0349	DEAN DEGLER	R R 5	EXCELSIOR	55331	MN
41-10-0368	RUDIGER GRAF		WATERTOWN	55388	MN
41-10-9001	DONALD FORNER		CHASKA	55318	MN
41-10-9062	EARL KRATZKE	R R 1	COLOGNE	55322	MN
41-10-9068	PAUL OELFKE AND SON		HAMBURG	55339	MN
41-10-9230	WALTER E BERGMANN		HAMBURG	55339	MN
41-10-9311	DARWIN H STOCK	R R	YOUNG AMERICA	55397	MN
41-11-9027	NORMAN WILKINS	R R BOX 3B	MOTLEY	56466	MN
41-13-0009	RAY OSTERBAUER		SCANDIA	55073	MN
41-14-0074	ALLAN LEPPER		HAWLEY	56549	MN
41-14-0092	LLOYD SETER AND SON		GLYNDON	56547	MN
41-14-9020	DEAN WORKMAN		BORUP	56519	MN
41-14-9073	GARY B WORKMAN		BORUP	56519	MN
41-15-0016	ALVIN KATZENMEYER		LAKE ITASCA	56460	MN
41-17-0036	DEAN GRANSEE & FAMILY		SANBORN	56083	MN
41-19-0003	WILLIAM G FRAME	R F D	NORTHFIELD	55057	MINN
41-19-0007	ROBERT ALEXANDER	R F D 3	NORTHFIELD	55057	MN
41-19-0110	DENNIS P OLEARY JR		ROSEMOUNT	55068	MN
41-19-0206	BETZOLD BROS	R R	FARMINGTON	55024	MN
41-19-0210	HAROLD WACHTER		ROSEMOUNT	55068	MN
41-19-9039	W L CARROLL & SONS	R R 3	ROSEMOUNT	55068	MN
41-19-9059	DONALD J CARROLL		ROSEMOUNT	55068	MN
41-19-9064	HENRY W TRAPP	SKY-VU HOLSTEINS	HASTINGS	55033	MN
41-19-9077	AUGUST & BOB LEIFELD	R R 3	CANNON FALLS	55009	MN
41-19-9135	UNIV OF MINNESOTA HOL	EXPERIMENT STA	ROSEMOUNT	55068	MN
41-19-9174	UNIV OF MINNESOTA MSH	EXPERIMENT STA	ROSEMOUNT	55068	MN
41-19-9222	UNIV OF MINN GUER	EXPERIMENT STA	ROSEMOUNT	55068	MN
41-20-0005	MYRON ALBERTS		PINE ISLAND	55963	MN
41-20-0006	KENNETH ALBERTS		PINE ISLAND	55963	MN
41-20-0009	FLOYD L WENTWORTH		MANTORVILLE	55955	MN
41-20-0015	HAVEN BARTEL AND SON	RR 2	KASSON	55944	MN
41-20-0018	DONALD GOCHNAUER		KENYON	55946	MN
41-20-0031	JOHN CHAPIN		ODGE CENTER	55927	MN
41-21-0006	MRS KENNETH FERRIS		OSAKIS	56360	MN
41-21-0008	LAURENCE WILKE	R R 3	MILTONA	56354	MN
41-21-0017	H G & D H JOHNSON		FARWELL	56327	MN
41-21-0039	KENNETH J SCHIELE		BRANDON	56315	MN
41-21-0084	DELAIR MELZER		NELSON	56355	MN
41-22-0063	ELDEN BEYER		BRICELYN	56014	MN
41-22-0118	WILLIAM WHITNEY JR		DELAVER	56023	MN
41-22-0120	RALPH OUTTON	R R 2	BLUE EARTH	56013	MN
41-22-9015	GEO LORENZ & H F GABBERT	WALNUT LAKE FARM	WELLS	56097	MN
41-22-9022	GENE HANKS		WINNEBAGO	56098	MN
41-23-0025	MURRELL JACOBSON		HARMONY	55939	MN

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
41-23-0047	ARNE AGRIMSON		PETERSON	55962	MN
41-23-0051	MRS LOUISE RUNGE & SONS	R R	HARMONY	55939	MN
41-23-0078	EUGENE & JERRY SCHEEVEL	R R 1	PRESTON	55965	MN
41-23-0091	PORTER BROADWATER & SONS	R R 1	PRESTON	55965	MN
41-23-0231	WILLAM BROADWATER		PRESTON	55965	MINN
41-23-0233	EUGENE & MILO BROADWATER		PRESTON	55965	MN
41-23-9114	JAMES P TESKE	R R 3	SPRING VALLEY	55975	MN
41-23-9257	MYRON LARSEN	R R 3	SPRING VALLEY	55975	MN
41-23-9296	ROBERT O LAWSTUEN & SONS		LANESBORO	55949	MN
41-24-0012	ASHLE SKAAR		HAYWARO	56043	MN
41-24-9009	CHRIS W SKAAR		HAYWARO	56043	MN
41-24-9044	ARTHUR ULLAND	RTE 1	AUSTIN	55912	MN
41-25-0002	FORREST PATTERSON	R R 1	KENYON	55946	MN
41-25-0034	VERNALD SAMUELSON		CANNON FALLS	55009	MN
41-25-0057	LLOYD TANGEN	R R 2	PINE ISLAND	55963	MN
41-25-0128	RICHARD REESE	R R	GOOOHUE	55027	MN
41-25-0148	JOHN KISPERS & SON	R R	NERSTRAND	55053	MN
41-25-0156	ALLEN HJERMSTAD	MAPLE LANE FARM	ZUMBROTA	55992	MN
41-25-0159	LEVERNE VANGSNES		KENYON	55946	MN
41-25-0352	KYLLO HILLTOP FARM	R R	ZUMBROTA	55992	MN
41-25-0359	MERLE SCHWARTAU	R R	RED WING	55066	MN
41-25-0385	WESLEY B MILLER	RT 1	PINE ISLAND	55963	MN
41-25-0392	EDWARD MANTHEI	R R 1	PINE ISLAND	55963	MN
41-25-0503	HERBERT H FREDRICKSON	R R	ZUMBROTA	55992	MN
41-25-9012	WALTER A COROES	R R 2	LAKE CITY	55041	MN
41-25-9139	SELMER FOSS & SONS NO 1	R R 3	KENYON	55946	MN
41-25-9142	C J VANGSNES AND SON	R R 3	KENYON	55946	MN
41-25-9488	SELMER FOSS & SONS NO 2	R R 3	KENYON	55946	MN
41-26-0024	ORRINGEROLO CHRISTENSEN	R R 1	WENOELL	56590	MN
41-27-0029	WESLEY & EILEEN ROEHLKE	ROUTE 1	ROGERS	55374	MN
41-27-0046	DANIEL G BOLKCOM	RT 1	DELANO	55328	MN
41-27-0238	ALVIN SCHMID	R R 1	ROGERS	55374	MINN
41-27-0272	JOHN MEISTER	R R 1	HAMEL	55340	MN
41-28-0020	RAINER KLUG	R R	CALEDONIA	55921	MN
41-28-0046	PETER & PAUL BERANEK	R R 1	HOKAH	55941	MN
41-28-0159	VERNON ROBLE	R R 2	SPRING GROVE	55974	MN
41-28-9009	CLETUS SCHLIECH		CALEOONIA	55921	MN
41-28-9026	GUY SMITH + R BOLDT	R R 2	HOUSTON	55943	MN
41-30-0004	DEANE T SKOGMAN	LAKE HAVEN FM	CAMBRIDGE	55008	MN
41-31-9002	N CENT SCH AGR EXP STA	OR J W RUST	GRAND RAPIDS	55744	MN
41-33-9054	KENNETH W ANGSTMAN		MORA	55051	MN
41-34-0001	SWENSON AND BERGESON		SPICER	56288	MN
41-34-0146	ELDER MADSEN	R R 1	LAKE LILLIAN	56253	MN
41-34-0153	ARNOLD & DON WITTE	R R 2	ATWATER	56209	MN
41-34-9168	LOWELL K JAKEL	R R 1	LAKE LILLIAN	56253	MN
41-40-0005	DALE SAPP		LE CENTER	56057	MN
41-40-0053	JAMES BAKER		CLEVELAND	56017	MN
41-40-0054	HARLYN GREGOR	R R 1	MONTGOMERY	56069	MN
41-41-0002	EWALO EVERS		LAKE BENTON	56149	MN
41-41-0023	HARLAN MEYER	R R 1	LAKE BENTON	56149	MINN
41-42-0027	ORVILLE HENNEN		GHENT	56239	MN
41-42-9026	BOT BROS		MARSHALL	56258	MN
41-44-0011	HARRY & JOHN HESS	ROUTE 1	ARGYLE	56713	MN
41-44-0031	LOYAL HOLMSTROM		NEW FOLDEN	56738	MN
41-45-0004	MARLAN EBELING	RR	SHERBURN	56171	MN
41-45-0006	HERBERT LANGE	ROUTE 2	SHERBURN	56171	MN
41-45-0100	WENOELL OWENS		ELMORE	56027	MN
41-45-0108	JACK ILIFF	R R 1	GRANADA	56039	MN
41-45-0166	MAURICE ILIFF	R R 1	GRANADA	56039	MN
41-45-0173	JOEL THIESSE	R R	CEYLON	56121	MN
41-45-0198	ROBERT A OLSON		ALPHA	56111	MN
41-45-9083	GENE CROSS		SHERBURN	56171	MN
41-45-9147	ROBERT G SHOEN	RURAL ROUTE 2	TRUMAN	56088	MN
41-46-0005	CLEM MACKENTHUN		BROWNTON	55312	MN
41-46-0020	MELVIN A SPRENGLER	R R	PLATO	55370	MN
41-46-0028	MILLS BROTHERS	R R 3	HUTCHINSON	55350	MN
41-46-0046	O C ATHMANN	R R 3	HUTCHINSON	55350	MN
41-46-0075	EARL HOERNEMANN	R R	PLATO	55370	MINN
41-46-0198	L PETERSON & A WENDORFF	R R 3	HUTCHINSON	55350	MN
41-46-0328	MAYNARD BERGS		BROWNTON	55312	MN
41-46-9021	RAYMOND & LOREN OLSON	R R 4	HUTCHINSON	55350	MN
41-46-9022	VIRGIL E OLSON & SONS	R R 4	HUTCHINSON	55350	MN
41-46-9025	DONALD J MARTENS		HUTCHINSON	55350	MN
41-46-9034	DONALD JERGENS	R R 2	HUTCHINSON	55350	MN
41-46-9035	H W FILK AND SON	R R 2	HUTCHINSON	55350	MN
41-46-9056	LOWELL PETERSON	R R 4	HUTCHINSON	55350	MN
41-46-9090	LEROY DONNAY	R R 2	GLENCOE	55336	MN
41-46-9172	O PETERSON AND A JERGENS	555 MAIN ST S	HUTCHINSON	55350	MN
41-46-9275	FRED M KUEHL	R R 3	HUTCHINSON	55350	MN
41-46-9364	ROGER K OLSON	R R 4	HUTCHINSON	55350	MN
41-47-0004	DON SLINOEN & SONS		ATWATER	56209	MN
41-47-0026	HARLANO SLINDEN	R R 1	GROVE CITY	56243	MN
41-47-0056	ALOYS WESTRUP	R R 3	LITCHFIELD	55355	MN
41-47-0174	MERRILL FLEMMING	R R 1	COSMOS	56228	MN
41-48-0031	DON TIMMER	R R 2	MILACA	56353	MN

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
41-48-0069	WILHELM FARMS INC	ROUTE 4	PRINCETON	55371	MN
41-48-0156	WARREN KAMSTRA		MILACA	56353	MN
41-48-9139	ROBERT L MAPLES	R R 2 BOX 207	MILACA	56353	MN
41-49-0006	OANFORD JOHNSON	R R 1 BOX 37	PIERZ	56364	MINN
41-49-0020	CARL VIRNIG AND SON	R R 1	PIERZ	56364	MN
41-49-0053	JAMES ANORES	R R 1	PIERZ	56364	MN
41-49-0068	JAMES AND CURTIS THEIS	R R 2	PIERZ	56364	MN
41-49-0075	BOB HAPPE	R R 1	PIERZ	56364	MN
41-49-9010	ROBERT LINOBOG	R R 2	LITTLE FALLS	56345	MN
41-49-9130	HARRY MCOONALO	R R 3	PIERZ	56364	MN
41-50-0029	NORMAN S WRIGHT		GRAND MEADOW	55936	MN
41-50-9011	B J HUSEBY AND SONS		AOAMS	55909	MN
41-50-9053	KENNETH ZIEMER		WALTHAM	55982	MN
41-51-9015	HENRY KRUE		IONA	56141	MN
41-52-0021	WILMAR BOOE	R 0	COURTLAND	56021	MN
41-52-0064	CARL MARTENS		LAFAYETTE	56054	MN
41-52-0080	RUSSELL THOMPSON	R R 2	NICOLLET	56074	MN
41-52-0101	LYLE F WELOY & SONS	FAIRLIN FARMS RR 1	FAIRFAX	55332	MN
41-52-0120	RICHARD B JOHNSON	R R	ST PETER	56082	MN
41-52-9020	RUDDOLPH L BOOE	R 0	COURTLAND	56021	MINN
41-53-0070	EARL ROSE		WORTHINGTON	56187	MN
41-53-9013	STANBY FARMS	R R 1	WORTHINGTON	56187	MN
41-54-0020	ALFREDO N OLSON	R R 1	GARY	56545	MN
41-54-0033	JAMES HUSEBY		FLOR	56541	MN
41-54-9017	ELWOOD N BENTLEY	R R 2	TWIN VALLEY	56584	MN
41-55-0062	RUSSELL HEINS	R R	EYOTA	55934	MN
41-55-0092	BURTON HENRY	R R	DOVER	55929	MN
41-55-0202	ERVIN REINECKE	R R	EYOTA	55934	MN
41-55-0394	OWAINE KIEHNE	R R 2	CHATFIELD	55923	MN
41-55-0417	JIM SCHROEDER	3100 48TH ST NW	ROCHESTER	55901	MN
41-55-9070	ALTON W PAGEL	R R 3 BOX 100	ROCHESTER	55901	MN
41-55-9160	HAROLD S FROST	R R 1	PINE ISLAND	55963	MN
41-55-9174	LOREN BIERBAUM	R R	EYOTA	55934	MN
41-55-9255	OR ESSEX & H HEINS	5455 W RIVER RD NW	ROCHESTER	55901	MN
41-55-9403	ALVIN R NISBIT AND SONS	R R 2	ROCHESTER	55901	MN
41-56-0069	ALVIN TEGTMEIER		BATTLE LAKE	56515	MN
41-56-0073	HAROLD UKKELBERG		CLITHERALL	56524	MN
41-56-0079	HERB AND ALLEN SCHROEDER	R R 3	FERGUS FALLS	56537	MN
41-56-0092	LAKE REGION	SHELTERED WORKSHOP	FERGUS FALLS	56537	MN
41-56-0153	PHILIP PAHAN	R R 1	UNOERWOOD	56586	MN
41-56-0268	ELMER TROSOHL	R R 1	CLITHERALL	56524	MINN
41-56-0285	HERBERT WOODS		OENT	56528	MN
41-56-0318	VERNON JOHANSEN	R R 1	UNOERWOOD	56586	MN
41-56-0328	ARNOLD TUMBERG		NEW YORK MILLS	56567	MN
41-56-0332	HAROLD WOODS		OENT	56528	MN
41-56-0335	ORVILLE SORUM & SONS	R R	PELICAN RAPIDS	56572	MN
41-56-0342	JOE CRABB	R R 3	WAOENA	56482	MN
41-56-0343	JAMES A TEGTMEIER		BATTLE LAKE	56515	MN
41-56-0355	ELVIN ARVIOSON	R R	PARKERS PRAIRIE	56361	MN
41-56-0361	WILLARD JOHNSON	R R 1	RICHVILLE	56576	MN
41-58-0089	LONNIE JOHNSON	R R 2	PINE CITY	55063	MN
41-58-0096	EUGENE A ANDERSON	R R 1	PINE CITY	55063	MN
41-59-0067	KENNETH VELOKAMP		HOLLAND	56139	MN
41-60-0003	JOEL VENNES		FOSSTON	56542	MN
41-60-9010	N W SCHOOL AGR EXP STA	OR GEORGE O MARX	CROOKSTON	56716	MN
41-61-0058	GOOFREY GUNVALOSON		STARBUCK	56381	MN
41-64-0102	CLARENCE F REYNOLDS	R R 1	REWOOD FALLS	56283	MN
41-64-9068	OENIS JUENEMANN	R R	CLEMENTS	56224	MN
41-66-0028	FRANK N GRIMM	R R 1	FARIBAULT	55021	MN
41-66-0030	FRED OLSON	R R 2	FARIBAULT	55021	MN
41-66-0056	ORVILLE R WEGNER	R R 3	FARIBAULT	55021	MN
41-66-0062	WALTER R FUCHS		NERSTRAND	55053	MN
41-66-0071	EO AND CLIFF MESCHKE		MORRISTOWN	55052	MN
41-66-0081	LIVERNE BAUER	R R 1	FARIBAULT	55021	MN
41-66-0141	ORVILLE NELSON	R R 1	WEBSTER	55088	MN
41-66-0160	STANLEY B BARTA		MONTGOMERY	56069	MN
41-66-0210	NORMAN WEGNER	R R 2	FARIBAULT	55021	MN
41-66-0228	MAX AND GENE BERTRAM		WARSAW	55087	MN
41-66-0276	LOWELL SHASKE	R R 1	NERSTRAND	55053	MINN
41-66-9227	JOHN & FLORENCE VOLKERT		OENINSON	55018	MN
41-67-0103	HENRY J VIS	R R	BEAVER CREEK	56116	MN
41-68-0027	SHELOON ERICKSON	R R 1 BOX 59	BAOGER	56714	MN
41-69-0069	ART CAPPO		CHISHOLM	55719	MN
41-70-0013	EARL LENZMEIR	R R 2 BOX 290	SHAKOPEE	55379	MN
41-70-0036	KLEHR BROS	R R 2	SHAKOPEE	55379	MN
41-70-0076	WALLACE J HUSS	R R 1	JORDAN	55352	MN
41-70-0115	LEANDER WAGNER		ELKO	55020	MN
41-70-0161	GOROON THOMPSON		LAKEVILLE	55044	MN
41-70-0179	JOE C LIEPERT	R R 1	JORDAN	55352	MINN
41-70-9031	OAVIO MINAR	R R 2	NEW PRAGUE	56071	MN
41-71-0002	RICHARD HINKLE	R R 1	ELK RIVER	55330	MN
41-71-0046	SWANSON BROS	KENNETH-MARVIN RR	BIG LAKE	55309	MN
41-72-0002	RAY SALLSTROM		WINTHROP	55396	MN
41-72-0005	JAMES LINO		WINTHROP	55396	MN
41-72-0015	JOHN & KARL MUELLER	ELGINVUE FARMS	ARLINGTON	55307	MN

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
41-72-0017	ELROY OIEMH	R R	ARLINGTON	55307	MN
41-72-0029	RUBEN JUTZ		GISSON	55335	MN
41-72-0051	ERNEST PERSCHAU AND SON	R R 1	GLENCOE	55336	MN
41-72-0122	JAMES B MULLEN	R R	GREEN ISLE	55338	MN
41-72-0144	EARL E WIEMAN	R R 1	ARLINGTON	55307	MN
41-72-0180	LARRY JENNEKE	R R 1	HAMBURG	55339	MN
41-72-9042	VIRGIL BELTER	R R 1	GLENCOE	55336	MN
41-72-9078	LUVERNE BERGS	R R	ARLINGTON	55307	MN
41-73-0055	MATH JENNISSEN		SAUK CENTRE	56378	MN
41-73-0122	NORBERT GOEBEL		ALBANY	56307	MN
41-73-0336	ALCUIN GOEBEL	R R 1	FREEPORT	56231	MN
41-73-9030	BERT SCHWINGHAMER	RT 1	ALBANY	56307	MN
41-73-9045	EO FIEOLER	R R 2 80X 70	SAUK CENTRE	56378	MN
41-73-9196	CONRAO ZEHRRER		SAUK CENTRE	56378	MN
41-73-9327	ALOYSIUS LUETMER	R R 2	MELROSE	56352	MN
41-74-0047	LORENZ WILKER	R R 1	OWATONNA	55060	MN
41-74-0048	ROGER & GORDON HOSFIELO		MEOFORO	55049	MN
41-74-0065	OUANE E WEGNER	R R 1	MEOFORO	55049	MN
41-74-0066	JEROME RYPKA	80X 5	OWATONNA	55060	MN
41-74-0099	GEORGE OEML	R R 2	OWATONNA	55060	MN
41-74-0132	LOREN KRAUSE	R R 4	OWATONNA	55060	MN
41-74-0135	ROGER WRASE	R R 2	BLOOMING PRAIRIE	55917	MN
41-74-9033	ODNALO SLOAN		ELLENDALE	56026	MN
41-74-9051	OWARIN KASPER	R R 1	MEOFORO	55049	MN
41-74-9138	JOE STRANSKY & SON	R R 2	OWATONNA	55060	MN
41-74-9143	DAVID OEMMER		ELLENDALE	56026	MN
41-75-9002	W CENT SCH AGR EXP STA	OENNIS JOHNSON	MORRIS	56267	MN
41-77-0001	HOWARD TYRRELL	R R 3 80X 25	BROWERVILLE	56438	MN
41-77-0024	WAYNE ASPENGREN		EAGLE BENO	56446	MN
41-77-0025	GEORGE R FISHER	C/O OICK JVEN	EAGLE BENO	56446	MN
41-77-0050	ROBERT R BEHRENS	R R 1	CLARISSA	56440	MN
41-77-0097	LLOYD SCHWANKE	R R	GREY EAGLE	56336	MN
41-77-0130	JAMES COOPER	R R 1	LONG PRAIRIE	56347	MN
41-77-9195	HAROLD V KRAUSE		EAGLE BENO	56446	MN
41-79-0010	BURTON J MEYER	R R 1	LAKE CITY	55041	MN
41-79-0038	DAMON FREIHEIT & SON	R R 1	LAKE CITY	55041	MN
41-79-0098	HARRY MEINCKE		LAKE CITY	55041	MN
41-79-0233	LEWIS KACKMAN	R R 3	LAKE CITY	55041	MN
41-79-9141	HARLAN SIEWERT		ZUMBRO FALLS	55991	MN
41-79-9262	ROGER MEYER	OAK LEAF FARM R 1	LAKE CITY	55041	MINN
41-80-0003	MELVIN KERN	R R 1 80X 143	WAOENA	56482	MINN
41-81-0067	WILLARD GEROTS	80X 78	WALDORE	56091	MN
41-82-0047	OTT BROS	1930 CENTURY AVE N	NO ST PAUL	55109	MN
41-82-0059	CHRIS MOLITOR	RR 1025 80X 169	WHITE BEAR LAKE	55110	MN
41-82-0105	LESTER RYOEN		MARINE ST CROIX	55047	MN
41-82-0160	EUGENE TAYLOR	R R 2 80X 368	FOREST LAKE	55025	MN
41-82-0175	OR HERBERT E STRUSS	R R 2	STILLWATER	55082	MN
41-82-9036	MINN STATE PRISON	DAIRY HEROSMAN	STILLWATER	55082	MN
41-82-9090	WAYNE O BROWN	RT 3	HASTINGS	55033	MN
41-82-9118	KENNETH W BROWN	R R 3	HASTINGS	55033	MN
41-83-0069	LESLIE M TANOE & SONS		MADELIA	56062	MN
41-83-0097	MELROY COLE		TRUMAN	56088	MN
41-83-0121	OWAYNE MAISON	R R 1	BUTTERFIELD	56120	MN
41-83-9020	HERMAN & HARVEY HECKMAN	R R 1	ST JAMES	56081	MN
41-84-9002	M STOLTENOW & O LEINEN	R R	GREAT BENO	58039	NO
41-84-9091	LEONARD NORDICK	R R 1	ROTHSAY	56579	MN
41-85-0059	HERBER BROS		ROLLINGSTONE	55969	MN
41-85-0211	ALLEN AARSVOLO	R R	PETERSON	55962	MN
41-85-0215	EWALD GAEY & SONS	R R 1	HOUSTON	55943	MINN
41-85-0217	ARNETT BROTHERS	R R 1	LA CRESCENT	55947	MINN
41-85-0379	RUSSELL & DAVID TERBEEST		ROLLINGSTONE	55969	MN
41-85-0409	ART JOHNSON & SONS		MINNESOTA CITY	55959	MN
41-85-9003	RUSSELL J WIRT & FAMILY	MAPLE LEAF FARM	LEWISTON	55952	MN
41-85-9023	ELMER SIMON	R R	ALTURA	55910	MN
41-85-9076	ALFREDO AND PAUL MUELLER	MUELLER FARMS R R	LEWISTON	55952	MN
41-85-9137	CYRIL & MERLIN R PERSONS		ST CHARLES	55972	MN
41-85-9167	WACHHOLZ BROS	R R 1	WINONA	55987	MN
41-85-9170	DOEAN F GOSS AND SONS	ROUTE 1	LEWISTON	55952	MN
41-85-9223	CLAYTON & STEVE KETCHUM	R R	UTICA	55979	MN
41-86-0013	MILTON C HICKMAN	R R 1 80X 336	BUFFALO	55313	MN
41-86-0040	STIFTER BROS	R R	HOWARD LAKE	55349	MN
41-86-0085	HENRY LEHTOLA	R R	COKATO	55321	MN
41-86-0122	PAUL RAISANEN		COKATO	55321	MN
41-87-0010	CARL O BEHM		WOOD LAKE	56297	MN
41-87-0038	RUSSELL E MAHLUM		CANBY	56220	MN
41-87-9055	RHEA & SCHLECHT	DAIRY FARM	PORTER	56280	MN
42-03-0018	FRITZ BROS	R R 2	LANSING	52151	IA
42-03-0038	KRUGER, BENJAMIN	R R 3	WAUKON	52172	IA
42-03-0052	FLAGE, IRVIN	R R 2	POSTVILLE	52162	IA
42-03-0054	EBERLING, KARLTON	R R 2	POSTVILLE	52162	IA
42-03-0075	OPFER, VIRGIL	R R 1	WAUKON	52172	IA
42-03-0136	VINE, DONALD		WAUKON	52172	IA
42-03-0138	KNUOTSON, EUGENE L	R R 2	WAUKON	52172	IA
42-03-9007	OPFER, EDWARD AND ROBERT	R R 1	WAUKON	52172	IA
42-03-9055	GOEKE, WILLARD	R R 1	WAUKON	52172	IA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
42-03-9056	KERNDT FARMS	R R 2	LANSING	52151	IA
42-03-9135	SIVESINO, FRANK	R R 3	HAUKON	52172	IA
42-03-9156	DEBOWER, LYLE E	R R 2	MONONA	52159	IA
42-05-0005	JENSEN, EMERY		EXIRA	50076	IA
42-06-0012	GLIME, ROBERT	R F D 2	LA PORTE CITY	50651	IA
42-06-0097	MILLER, JOHN S JR	R R	LA PORTE CITY	50651	IA
42-07-0035	LANEHAVEN FARM	R R 4	WATERLOO	50700	IA
42-07-0059	TRIPLE DIAMOND FARM	R R 4	WATERLOO	50700	IA
42-07-0097	HANSEN, JACK	R R	HUDSON	50643	IA
42-07-0104	SAYLOR, GLEN	R R 4	WATERLOO	50700	IA
42-07-0106	CROSS, T A	R R 4	CEDAR FALLS	50613	IA
42-07-9006	ANDERSON, T J	R R 2	CEDAR FALLS	50613	IA
42-07-9015	YOUNG AND SCHNEIDER		JESUP	50648	IA
42-07-9034	FIKE, L NEIL & FAMILY	RT 1	WATERLOO	50700	IA
42-08-DDD4	GRABAU, HAROLD	R R 3	BOONE	50036	IA
42-08-0015	FLYNN, JAMES B	R R 2 BOX 89	BOONE	50036	IA
42-08-0030	GREGG, WILFRED AND SONS	R R 1	KELLEY	50134	IA
42-08-9031	WOODWARD ST HOSP AND SCH	~	WOODWARD	50276	IA
42-09-0038	SMITH, NEIL JR	R R 2	WAVERLY	50677	IA
42-09-0067	SCHUMACHER, LA VERNE	R R	REAOLYN	50668	IA
42-09-0075	JOACHIM, ORVAL	R R 2	WAVERLY	50677	IA
42-10-0006	WILLIAMSON GUERNSEY FARM	GUY WILLIAMSON	ROWLEY	52329	IA
42-10-0087	FOSTER, VIRGIL & SONS	R R 1	INDEPENDENCE	50644	IA
42-11-9003	BENNA, BART		ALTA	51002	IA
42-12-0026	KRATCHMER, MARTIN & SON	% MERLIN KRATCHMER	CLARKSVILLE	50619	IA
42-12-0035	RODMAN, KENNETH	R R	CLARKSVILLE	50619	IA
42-12-9010	SMITH, DUANE L	~	GREENE	50636	IA
42-14-0005	CLAUSEN, JULIUS	R R 2	WALL LAKE	51466	IA
42-14-9003	OSMANN, VERN AND SON		BREA	51436	IA
42-14-9012	OPPERMAN, GEORGE		MANNING	51455	IA
42-15-0039	BARTELSON, JAMES	~	ANITA	50020	IA
42-15-9002	WEDEMEYER, L T	R R 1	ATLANTIC	50022	IA
42-15-9003	NICHOLS, FLETCHER	R R 1	ATLANTIC	50022	IA
42-15-9006	LASSEN, WILLIAM	R R 1	ATLANTIC	50022	IA
42-16-9012	GATES, L CLAIRE	R R 1	WEST LIBERTY	52776	IA
42-16-9055	GEADELMAN, MERLIN	R R 2	CLARENCE	52216	IA
42-16-9062	HOMRIGHAUSEN, ELEANOR	HOMRIGHAUSEN	BENNETT	52721	IA
42-18-0017	FOROYCE, ELDON		AURELIA	51005	IA
42-18-0019	FELTEN, ALFREO W		AURELIA	51005	IA
42-19-0072	KELLNER, JOHN J	R R	IONIA	50645	IA
42-19-9006	KLEISS, HADWEN		FREDERICKSBURG	50630	IA
42-22-0002	STEVA, GERALD		LUANA	52156	IA
42-22-0040	TURNER, DALE		POSTVILLE	52162	IA
42-22-0052	MEIER, L FARM	% JAMES E MEIER	GARNAVILLO	52049	IA
42-22-0134	SUDDENOORF, KENNETH		MONONA	52159	IA
42-22-0176	GEHARDT, JOHN C AND WM	R R	MCGREGOR	52157	IA
42-22-0244	MILLER, HARLAN & RONALO	% RONALO MILLER	MONONA	52159	IA
42-22-0270	LA-AL FARM	R R 1	ST OLAF	52072	IA
42-22-9017	BRANDT, EWALO C		POSTVILLE	52162	IA
42-22-9019	SCHULTZ, ROBERT A		LUANA	52156	IA
42-22-9043	DICKMAN, GEORGE & HENRY	R R 1 BOX 56	GARNAVILLO	52049	IA
42-22-9053	TROESTER, RICHARD	RAE-MAR FARM RR	ELKAOER	52043	IA
42-22-9063	MEYER, IRVIN F AND SON		MCGREGOR	52157	IA
42-22-9067	MEIER, MILTON & WILLIS	R R	FARMERSBURG	52047	IA
42-22-9191	KEEHNER, HOWARD J	SHARWARD FARM R 1	GUTTENBERG	52052	IA
42-22-9207	KURTH, CALVIN		LUANA	52156	IA
42-23-0054	BARBER, LEE F	R R 2	DE WITT	52742	IA
42-23-9007	GRUENWALO, ELROY AND RON	R R 1	LOST NATION	52254	IA
42-25-0068	EGLI, OON	R R	LOCKRIDGE	52635	IA
42-25-9001	ELLIOTT, JAMES R AND SONS	R R 2	WOODWARD	50276	IA
42-28-0006	MULLIS & FENSTERMANN	% LEROY MULLIS	EARLVILLE	52041	IA
42-28-DDD7	WEGMANN, FRANK	R R 2	DYERSVILLE	52040	IA
42-28-DD18	KNIPPER, ANOREW & GERALD		EARLVILLE	52041	IA
42-28-0083	KLAREN, GIB		HOPKINTON	52237	IA
42-28-D133	ZUMBACH, LOUIS R JR	FARM 1	COGGO	52218	IA
42-28-D135	VOELKER, ALVIN	R R 1	RYAN	52330	IA
42-28-9143	STINEHART AND WUCHTER	R R 2	HOPKINTON	52237	IA
42-28-9157	FELDMANN, FRANCIS & SONS	R R 1	HOPKINTON	52237	IA
42-31-0090	STEGE, WALTER		HOLY CROSS	52053	IA
42-31-0114	WAGNER, OON	R R 2	SHERILL	52073	IA
42-31-0115	KLUESNER, FRED	R R 1	WORTHINGTON	52078	IA
42-31-0168	LEICK, ARNOLD	R R 1	HOLY CROSS	52053	IA
42-31-9072	AITCHISON, ADRIAN J & SON	R R 1	CASCADE	52033	IA
42-31-9080	PANCRATZ, KENNETH	R R	ZWINGLE	52079	IA
42-31-9104	UNGS, JOHN P	R R 2	NEW VIENNA	52065	IA
42-33-DD12	MIEHE, ERNEST		MAYNARD	50655	IA
42-33-DD58	ANDERSON, LESLIE		CASALIA	52133	IA
42-33-0075	HAMLETT BROS	% CHARLES HAMLETT	LAMONT	50650	IA
42-33-0077	HAMLETT, F F & JONES, L	C/O LYLE JONES R R	LAMONT	50650	IA
42-33-0091	DECKER, EDWIN & ROGER	R R 1	WESTGATE	50681	IA
42-33-0187	LEECH, MILTON	R R 1	WESTGATE	50681	IA
42-33-0216	MOORE, N J	R R 1	SUMNER	50674	IA
42-33-0261	STOLKA, JOHN JR AND SON	R R 1 BOX 126	MAYNARD	50655	IA
42-33-0272	SCHROEDER, ARBIE	R R	CLERMONT	52135	IA
42-33-0300	KIRCHMAN, RAYMOND		SUMNER	50674	IA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
42-33-0319	BETZ, GEORGE	R R 1	MAYNARD	50655	IA
42-33-0326	GRIMES, KENNETH	7	WEST UNION	52175	IA
42-33-0357	ROLLING ACRES DAIRY FARM	3 MICHAEL OSMUNDSON	WEST UNION	52175	IA
42-33-0368	MASSMAN, ALBIN		OSSIAN	52161	IA
42-33-9147	NABHOLZ BROS		WEST UNION	52175	IA
42-33-9210	BACHLE BROTHERS	R R 1	MAYNARD	50655	IA
42-33-9237	KERR BROS		POSTVILLE	52162	IA
42-33-9251	TRIUNA FARMS & ANDERSON	403 N FREDERICK	OELWEIN	50662	IA
42-34-0030	MITCHELL, GILES C	2 CHAS MAOLEY RR 1	NASHUA	50658	IA
42-35-0045	MARTS, ORVAL	R R 1	HAMPTON	50441	IA
42-35-0050	SCHROEDER, MARVIN	R R	LATIMER	50452	IA
42-35-0102	MEYER, WENDELL K & SONS	R R 3	IOWA FALLS	50126	IA
42-35-9027	MEYER, MAYNARD		DOWS	50071	IA
42-36-9003	JARDON, ROBERT A	R R 1	RANDOLPH	51649	IA
42-37-9002	RAAZ, FRED		JAMAICA	50128	IA
42-38-0087	ALBERS, ALFRED		WELLSBURG	50650	IA
42-38-0088	HAUPT, OLOIG AND SONS	R R	ELOORA	50627	IA
42-38-0096	JUNGLING, WILLIAM		PARKERSBURG	50665	IA
42-38-9065	BILLERBECK, RICHARD		GRUNDY CENTER	50538	IA
42-39-9011	RENFROW, EVERETT		BAGLEY	50026	IA
42-39-9025	RICHTER, E F	R R 2	ADAIR	50002	IA
42-39-9026	MC CUEN AND SON		YALE	50277	IA
42-40-0009	HAMILTON COUNTY HOME	R R 3	WEBSTER CITY	50595	IA
42-40-0026	BRITSON, R WARO	R R 1	WILLIAMS	50271	IA
42-41-0029	MC LAUGHLIN, CHARLES T	R R	BRITT	50423	IA
42-41-0037	KATTER, CECIL B AND SONS	R R	KLEMME	50449	IA
42-41-9008	HULING, GARY	R R	BRITT	50423	IA
42-41-9059	TRCA, ANTON	R R	GARNER	50438	IA
42-42-0040	BANGS, MELVIN M	R R 2	ALDEN	50006	IA
42-42-0049	BRIGHT, RALPH	R R	ELDORA	50627	IA
42-42-9017	MARTIN, WILLARD		NEW PROVIDENCE	50206	IA
42-42-9020	TROUSDALE, H G AND SON	R R 2	ALDEN	50006	IA
42-43-0003	CEDAR CREST FARM	J W MULLENIX & SON	R R 1 WOODBINE	51579	IA
42-43-9010	LEEWAY FARM	M LEE AND SON RT 1	WOODBINE	51579	IA
42-45-0008	BYRNES, LOUIS AND ROBERT	R R 1 BOX 14	CRESO	52136	IA
42-45-0032	REINHART, MERLE AND SON	R R 3	CRESO	52136	IA
42-45-9009	CHURCH, WILLIAM	R R	RICEVILLE	50466	IA
42-46-0024	HEFTY, CLARENCE		RENWICK	50577	IA
42-46-0061	GREGGSEN, MARLYN	R R 1	RUTLAND	50582	IA
42-46-9049	NORMAN, MARSHALL C		RUTLAND	50582	IA
42-47-0008	BUCHANAN, WALDON	R R 1	IDA GROVE	51445	IA
42-48-0022	YODER, DANIEL	R R	PARNELL	52325	IA
42-48-0065	KEBTCO FARMS INC	R R 1	SOUTH AMANA	52334	IA
42-48-0067	MILLER, ROY S AND SONS	R R 2	WILLIAMSBURG	52361	IA
42-48-9009	TOMPKINS, JIM	R R 2	MARENGO	52301	IA
42-49-0037	HEINRICH, RALPH AND JOHN	R R 2	ZWINGLE	52079	IA
42-49-9004	HUENKE, LAURENCE	R R	BELLEVUE	52031	IA
42-50-0001	WING BROTHERS	C/O WALTER WING JR	COLFAX	50054	IA
42-50-0005	HIEMSTRA, J L		PRAIRIE CITY	50228	IA
42-50-0006	VAN HOWELING, CARL & SON		PRAIRIE CITY	50228	IA
42-50-0055	MAYTAG FARMS INC	C JACKSON AND SONS	BOX 506 NEWTON	50208	IA
42-50-9022	HATFIELD, FORREST	R R 4	NEWTON	50208	IA
42-51-0006	EGLI, VERLE	R R	LOCKRIDGE	52635	IA
42-51-0012	LOVING, LACY	R R 1	STOCKPORT	52651	IA
42-53-0013	SPECHT, MAX	R R 1	MONTICELLO	52310	IA
42-53-0128	ZUMBACH, LOUIS R JR	FARM #2	COGGON	52218	IA
42-53-9064	SLATER, JAY	R R 1	OLIN	52320	IA
42-53-9069	MENS REFORMATORY	3 LARRY WILLE	ANAMOSA	52205	IA
42-54-0018	WONDERLICH, CHARLES L	R R	OLLIE	52576	IA
42-54-9003	TAYLOR, OTTIS		DELTA	52550	IA
42-55-0025	BOETTCHER, ALVIN	BOX 155	LAKOTA	50451	IA
42-56-0024	SCHMITT, CARL O	R R 1	FARMINGTON	52626	IA
42-56-0027	PIEPER, GREG	R R 2	WEST POINT	52656	IA
42-56-9004	FOX, ERNEST	R R 1	KEOKUK	52632	IA
42-56-9019	KREBILL, OWIGHT	R R 2	CONNELLSON	52625	IA
42-56-9026	IOWA STATE PENITENTIARY	2 D LERCHE BOX 316	FORT MADISON	52627	IA
42-57-0027	WITWER WAYSIDE FARM	CARLETON HARMS R 3	MARION	52302	IA
42-57-0031	WALKER, ROBERT K	PRAIRIE VIEW FM R3	MARION	52302	IA
42-57-0076	LIERCKE, RICHARD	R R 2	CENTER POINT	52213	IA
42-57-0109	BECKER, TEO		CENTER POINT	52213	IA
42-57-0168	RAWSON, KENNETH	LINN VIEW FARM R 1	CENTRAL CITY	52214	IA
42-57-0176	COVINGTON, GALEN	R R 1	COGGON	52218	IA
42-57-9194	VAN NOTE, MAURICE	R R	PALO	52324	IA
42-58-9003	SYWASSINK, DONALD		LETTS	52754	IA
42-60-0026	FASTERT, ERNEST		ROCK RAPIDS	51246	IA
42-60-0057	FICK, RUDOLF	R R	DOON	51235	IA
42-60-0090	KRUSE, OALE		LITTLE ROCK	51243	IA
42-60-9008	MULTI-ROSE JERSEYS INC		ROCK RAPIDS	51246	IA
42-60-9009	SUMMIT FARM INC		LESTER	51242	IA
42-60-9011	METZGER, FREDERICK		HILLS	56138	MN
42-64-9064	EGGERS, HAROLD	R R 1	BEAMAN	50609	IA
42-64-9083	FRELAND, JAMES EARL		STATE CENTER	50247	IA
42-65-9008	GLENWOOD STATE SCHOOL	DAIRY HERDSMAN	GLENWOOD	51534	IA
42-66-0014	DUNCOMB, LAWRENCE		ST ANSGAR	50472	IA
42-66-0044	JOHNSON, DEAN M	R R 1	ST ANSGAR	50472	IA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
42-66-0049	PITZEN, ALFRED AND GENE		STACYVILLE	50476	IA
42-66-9010	GERLACH, EARL AND SONS	FARM 1	ST ANSGAR	50472	IA
42-66-9040	THOME, WILFRED		STACYVILLE	50476	IA
42-66-9045	SULLIVAN, KEITH		DSAGE	50461	IA
42-69-9015	MC ALPIN, DAVID W		VILLISCA	50864	IA
42-69-9020	MC ALPIN, TOM, FARM NO 1		VILLISCA	50864	IA
42-70-0021	SCOTT JERSEY FARM		WILTON JUNCTION	52778	IA
42-70-0023	MC ALLISTER, RALPH & SONS		STOCKTON	52769	IA
42-70-0049	SCHROEDER, DALE	R R 1	STOCKTON	52769	IA
42-70-0057	SCHROEDER, HORACE J	R R 1	STOCKTON	52769	IA
42-70-0064	BOCKWOLDT, ROBERT		DURANT	52747	IA
42-71-0036	STAMER, HAROLD LEE		GRANVILLE	51022	IA
42-71-9004	FLOYDCREST FARMS	WALTER KRUSE R 2	SHELDON	51201	IA
42-71-9037	GROSSHAUSER, RICHARD	FREDRICH FARM	PAULLINA	51046	IA
42-72-0019	LUITJENS, ARNOLD	R R	ASHTON	51232	IA
42-73-9008	MC GOY, MALCOM AND SONS	R R 1	VILLISCA	50864	IA
42-74-0017	JORGENSEN, HAROLD J	R R	RUTHVEN	51358	IA
42-75-0007	EYRES, JAMES	R R 1	LE MARS	51031	IA
42-77-0074	I-O-STATE	FREEMAN 239 KILDEE	AMES	50010	IA
42-79-9003	MILLER, JESS & HALL, MAX	R R	BROOKLYN	52211	IA
42-81-0028	MEYER, ALFRED AND SONS	R R 1	SAC CITY	50583	IA
42-81-0059	HASS, DALE E AND SON	R R 1	SAC CITY	50583	IA
42-82-0026	PETERSEN, ARNOLD W	R 2	DAVENPORT	52800	IA
42-82-0067	CLAUSSEN, DONALD-CLARENCE		ELDRIDGE	52748	IA
42-82-0068	BERNICK, EUGENE		WALCOTT	52773	IA
42-82-0071	HOLST, DONALD J AND SON		LE CLAIRE	52753	IA
42-82-0091	CLAUSSEN, HENRY AND SON	R R 1	LE CLAIRE	52753	IA
42-82-0095	PETERSEN, WILLIAM F	R R 2	DAVENPORT	52804	IA
42-82-9016	DENGLER, WALTER A JR	R R 3	DAVENPORT	52804	IA
42-82-9038	PAPER, ELMER F	R R 2	STOCKTON	52769	IA
42-82-9054	SCHMIDT, ROBERT	R R 1	BETTENDORF	52722	IA
42-82-9059	LAGE, ROBERT H	R R 3	DAVENPORT	52800	IA
42-82-9082	GREEN KNOLL FARM	R R 1	LONG GROVE	52748	IA
42-82-9084	WADSWORTH, THOMAS P	AND SON	WALCOTT	52773	IA
42-83-0023	BUMAN, RALPH AND JOE	R R 1	HARLAN	51537	IA
42-84-0023	DE BOER, C DWAYNE		HULL	51239	IA
42-84-0035	VANDER LUGT, RAY		HAWAROEEN	51023	IA
42-84-0050	FICK, ALFRED	R R 1	BOYDEN	51234	IA
42-84-0081	KOOI, BILL	R R 2	IRETON	51027	IA
42-84-0085	BOOTE, DONALD		HULL	51239	IA
42-84-0086	BOOTE, CLARENCE		HULL	51239	IA
42-84-0108	VANDERWAAL, WALT	R R	ORANGE CITY	51041	IA
42-84-0120	VANDERWAAL, JOHN J	R R	ORANGE CITY	51041	IA
42-84-9004	RENSINK, LELAND		BOYDEN	51234	IA
42-84-9009	FIIHR, JOE C		BOYDEN	51234	IA
42-84-9058	DE GROOT, DONALD		HULL	51239	IA
42-84-9065	VERMEER, EDGAR		BOYDEN	51234	IA
42-84-9070	DE JONG, S EARL		HOSPERS	51238	IA
42-85-9017	BENTLEY, AL & GRAVER, DON	SUNESLOPE FARM R 3	AMES	50010	IA
42-85-9072	MC HONE, F L	R R 3	AMES	50010	IA
42-85-9273	UNIVERSITY DAIRY FARM H	123 KILDEE HALL	AMES	50010	IA
42-86-0013	SKALA, E J		TAMA	52339	IA
42-86-9011	LYON JERSEYS	C/O G JOE LYON	TOLEDO	52342	IA
42-91-0074	VAN RYSWYK BROS	% JAMES VAN RYSWYK	INDIANOLA	50125	IA
42-91-9002	WOODRUFF, S R AND LEROY	R R 3	INDIANOLA	50125	IA
42-91-9038	WOODRUFF, DUANE	R R 3	INDIANOLA	50125	IA
42-91-9098	FINCH, HAROLD AND LARRY		NORWALK	50211	IA
42-92-9022	TIMMINS, MARION	TIM Ayr FARM	WEST CHESTER	52359	IA
42-93-9022	TULLOCK HOLSTEIN DAIRY FM	R R 1	CORYDON	50060	IA
42-94-0005	TELLEEN, MARVIN E		GOWRIE	50543	IA
42-94-0029	MC CUBBIN, EUGENE		CALLENDER	50523	IA
42-94-0054	FELCO FARM	R R 4	FORT DODGE	50501	IA
42-94-9003	BOTHLAND FARM	HAROLD BOTHE R R 4	FORT DODGE	50501	IA
42-94-9004	MONSON, BERNARD		GDWRIE	50543	IA
42-94-9009	PETERSON, PERCY AND SON		CALLENDER	50523	IA
42-96-0012	HEGG, RALPH		DECORAH	52101	IA
42-96-0027	HANNEMAN, HAROLD	R R 2	DECORAH	52101	IA
42-96-0032	FALOET, CURTISS	R R 2	DECORAH	52101	IA
42-96-0051	MICKEY, JAMES B		MABEL	55954	MN
42-96-0056	SERSLAND, HOWARD AND SONS	R R 1	DECORAH	52101	IA
42-96-0110	BJERGUM AND LOMEN	% ROGER BJERGUM	DECORAH	52101	IA
42-96-0133	MEYER, CLOY F		CASTALIA	52133	IA
42-96-0137	JOHNSON, ERNEST C & SON	R R 1	DECORAH	52101	IA
42-96-9057	STEFFENS, ERBIE		DECORAH	52101	IA
42-96-9063	MATTER, ELMER & RICHARD	R R 2	POSTVILLE	52162	IA
42-96-9069	LEUENBERGER, CLINTON	R R	FORT ATKINSON	52144	IA
42-96-9079	BROGHAMMER, MARCELLUS	R R 2	DECORAH	52101	IA
42-96-9101	TORRESDAL, LESTER	R R 1	OSSIAN	52161	IA
42-96-9174	GLENGATE FARM	R R 3	WAUKON	52172	IA
42-96-9180	BENZING & LOMEN	% ORAN BENZING R R	OSSIAN	52161	IA
42-98-0015	SAWIN, NEIL V		NORTHWOOD	50459	IA
42-98-9039	DAHLBY, PHILLIP A		EMMONS	56029	MN
42-99-0064	DAHLGREN, ALBERT	R R	CLARION	50525	IA
43-02-0036	SCHNEIDER, RAYMOND-DONALD	R R 1	COSBY	64436	MO
43-02-9007	SCHNEIDER, CARL W		COSBY	64436	MO

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
43-02-9015	HEGEMAN, DONALD		COSBY	64436	MO
43-02-9023	WERTENBERGER, DOYLE G		HELENA	64459	MO
43-04-0040	PURDOM, LARRY	R R 2	PURDY	65734	MO
43-04-0060	HENDERSON, MIKE	R R 1	MONETT	65708	MO
43-04-9041	BURNEY AND LATIMER	R R 2	AURORA	65605	MO
43-04-9046	MASTERS JERSEY FARM	R R 2	AURORA	65605	MO
43-05-0004	KENTNER, OELMER		JASPER	64755	MO
43-05-0005	ROBERTSON DAIRY		LAMAR	64759	MO
43-06-0029	BUTERBAUGH, RICHARD	R R 1	RICH HILL	64779	MO
43-06-9025	STEELE AND KING		BUTLER	64730	MO
43-09-0004	U OF MO DAIRY HUSB DEPT	103 ECKLES HALL	COLUMBIA	65201	MO
43-09-9006	U OF MO DAIRY HUSB DEPT	103 ECKLES HALL	COLUMBIA	65201	MO
43-11-0015	GATES, KENNETH		BRAYMER	64624	MO
43-12-0007	STATE HOSPITAL NO 1	3 JOHN LYNCH RR 1	FULTON	65251	MO
43-12-9006	SKY-GO FARMS INC	R R 2	FULTON	65251	MO
43-12-9015	BORMAN, HARLAN		MCCREOIE	65262	MO
43-14-0007	HAGER, HARLAN P	R R 1	GORDONVILLE	63752	MO
43-14-0008	SCHABING, ALBERT	R R 2	CAPE GIRARDEAU	63701	MO
43-14-0009	SCHABING, CLEM	R R 2 BOX 443	CAPE GIRARDEAU	63701	MO
43-14-0029	MILOE, FRANK		JACKSON	63755	MO
43-14-0034	PEETZ, MRS EMIL AND SON	R R 2	JACKSON	63755	MO
43-14-0037	NISCHWITZ, HARVEY	R R 1	GORDONVILLE	63755	MO
43-14-0038	SHAWNEE FARMS	R R 1	JACKSON	63755	MO
43-14-0048	SIEMERS FARMS INC	R R 1	GORDONVILLE	63752	MO
43-16-0009	HELMS, ROSS	R R	CREIGHTON	64739	MO
43-16-0030	KOHLER, JOHN H JR	R R 1	PLEASANT HILL	64080	MO
43-17-9001	HOOVER, DALE	R R 3	ELOORA00 SPRINGS	64744	MO
43-19-0034	SHORT, NEAL	R R 1	SPARTA	65753	MO
43-19-0041	WHEELER, MILFRED		OZARK	65721	MO
43-19-0048	STAIGER, WALTER		BILLINGS	65610	MO
43-19-0054	ALBO FARM-ALBERT BOS	R R 1	BILLINGS	65610	MO
43-19-0068	SCHATZ, RAYMOND E	R R	BILLINGS	65610	MO
43-19-0083	COOPER, JOHN E	R R 1	OZARK	65721	MO
43-19-0096	NELSON, JOE & SONS	R R 1	BILLINGS	65610	MO
43-19-9018	KING, JOE	R R	CLEVER	65631	MO
43-19-9029	RAUCH, HOWARD L	R R 1	BILLINGS	65610	MO
43-19-9035	STAIGER, ALBERT	R R 1	BILLINGS	65610	MO
43-19-9050	KASTENOIECK, CARL E	R R	BILLINGS	65610	MO
43-19-9075	ESTES HOMESTEAD FARM		CLEVER	65631	MO
43-20-0008	HUNZIKER, HARLAN	R R	KAHOKA	63445	MO
43-22-9001	BACON, LLOYD C	R R 1	CAMERON	64429	MO
43-22-9025	SHAVERSIDE DAIRY FARM	3 RONALD SHAVER R1	LATHROP	64465	MO
43-22-9026	FARMLAND DEMONSTRATION	FARM-HAROLD MELIA	TRIMBLE	64492	MO
43-23-0003	FRANK, RAPHAEL	R R 3	JEFFERSON CITY	65101	MO
43-23-0027	OISTLER, JAMES E	R R 1	JEFFERSON CITY	65101	MO
43-23-0037	LEPAGE, TOM E	R R 3	RUSSELLVILLE	65074	MO
43-23-9013	VANDERFELTZ DAIRY	R R 3	JEFFERSON CITY	65101	MO
43-24-0027	LENZ, RICHARD		PRAIRIE HOME	65068	MO
43-28-9010	RAMSBOTTOM, PHARES	HI-LO FARM R R	GALLATIN	64640	MO
43-33-0001	AHOLT, FRANCIS	R R 1	WASHINGTON	63090	MO
43-33-0013	RAAF, RICHARD	R R 1	GERALD	63037	MO
43-33-0025	LUECKER, WILLARD	R R 1	NEW HAVEN	63068	MO
43-33-0031	SPRICK, MARVIN A		NEW HAVEN	63068	MO
43-33-0040	WESSELSCHMIOT, GILBERT	R R 2	NEW HAVEN	63068	MO
43-33-0042	CARL BROS		BERGER	63014	MO
43-33-0044	OREINHOEFER, HENRY		BEAUFORT	63013	MO
43-33-9020	ALTHAGE, KARL B	R R 2	NEW HAVEN	63068	MO
43-33-9041	BUNGE, JOHN L & ROBERT	R R 1	NEW HAVEN	63068	MO
43-34-0011	PREVIEW FARM	R R 2	HERMANN	65041	MO
43-35-0065	QUINN, GEORGE	R R 6 BOX 505	SPRINGFIELD	65803	MO
43-35-0100	SIFFERMAN, DON	R R 1	REPUBLIC	65738	MO
43-35-0134	WILKINSON, BILL	R R 2	REPUBLIC	65738	MO
43-35-9010	LILYDALE FARM	R R 4	SPRINGFIELD	65802	MO
43-35-9023	FRENCH, FRANCIS & SON	R R 2	SPRINGFIELD	65800	MO
43-35-9069	THOMSON, ROBERT JR	R R 2	SPRINGFIELD	65802	MO
43-35-9099	BAILEY, W W	R R 2	ROGERSVILLE	65742	MO
43-35-9116	MC LEAN, JAMES	RR 2	REPUBLIC	65738	MO
43-35-9136	MAR-GALE FARMS LTD	R R 7 BOX 358	SPRINGFIELD	65802	MO
43-36-0008	PARKER, CARL F	R R 2	TRENTON	64683	MO
43-40-9003	CROIER, WARREN & BEVERLY	R R 2	OREGON	64473	MO
43-44-0004	HARRIS, LEE	R R 3	CARTHAGE	64836	MO
43-44-0061	HUBLER, J H	R R 2 BOX 317	JOPLIN	64801	MO
43-44-9077	KUNKEL, J B	R R 3	CARTHAGE	64836	MO
43-45-0006	MARTIN, VICTOR AND ERNA	R R 1	PEVELY	63070	MO
43-45-0021	HUCKIE, LLOYD H	R R 3	IMPERIAL	63052	MO
43-45-0023	EICHHORN, PAUL	R R 1	PEVELY	63070	MO
43-46-9003	KEPHART, WILBER J		HOLEN	64040	MO
43-46-9029	COCHRAN, HARLAN E	R R 4	HOLEN	64040	MO
43-46-9047	PARROTT, MARVIN H	R R 1	KNOB NOSTER	65336	MO
43-48-0061	MASSEY, RALPH F	PSR 80X 54	LEBANON MO	65536	MO
43-49-0035	WILLIAMS, ORVILLE & SON	NORMAN WILLIAMS R2	DOESSA	64076	MO
43-49-9040	SILVERTHORN FARMS, INC	R R 1	WELLINGTON	64097	MO
43-50-0002	OAVIS, WM K	R R 1	VERONA	65769	MO
43-50-0057	SPENCER, DALE	R R 1	STOTTS CITY	65756	MO
43-50-0065	KRUEGER, RENO G	R R 2	VERONA	65769	MO

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
43-50-9036	ELLIOTT JERSEY FARM	R R 1 BOX 209	AURORA	65605	MO
43-51-0023	TAYLOR, ROBERT	R R	CANTON	63435	MO
43-51-0026	CARY, ROBERT	R R	CANTON	63435	MO
43-52-0006	CHAMP GOOOWO00 FARMS	R R 1	ELSBERRY	63343	MO
43-58-0025	SECKER, G 8	PALMYRA ROAD	HANNIBAL	63401	MO
43-58-0046	FRANKENBACH, MARVIN	R R	HANNIBAL	63401	MO
43-58-0049	FRANKENBACH, CARL-ROBERT	R R 2	HANNIBAL	63401	MO
43-65-0017	GILMAN, C A	R R	SENECA	64865	MO
43-65-0049	THOMLINSON, R E	R R	GRANBY	64844	MO
43-66-0023	NW MO STATE COLLEGE	AGRI OEPT	MARYVILLE	64468	MO
43-66-9002	CONCEPTION A88EY		CONCEPTION	64433	MO
43-68-0002	FICK, JOHN & WILLIAM	R R 1	FREEBURG	65035	MO
43-68-0010	SCHWINKE, E ANO R	R R 1	MORRISON	65064	MO
43-71-0007	LONGAN, ROBERT N ANO E P	R R 3	SEOALIA	65301	MO
43-71-0026	OELRICH, ROLANO L	R R	MORA	65345	MO
43-72-0013	PIETSCH, GERALO	HOBSON-STAR ROUTE	ROLLA	65401	MO
43-75-0003	BRESHEARS, GLEN		HALFWAY	65663	MO
43-75-0075	SECHLER, RAYMONO G		PLEASANT HOPE	65725	MO
43-75-0087	OUNSETH, OONALO		HALFWAY	65663	MO
43-77-0013	WILLIAMS, N E	R R 1	HANNIBAL	63401	MO
43-81-0033	KESSLER, FRANGIS	R R 2	AUGUSTA	63332	MO
43-83-9011	SUNNYMEOE FARM		BISMARCK	63624	MO
43-92-9002	SCHOOL OF THE OZARKS		POINT LOOKOUT	65726	MO
43-95-0002	HACKMANN, WILBERT A		MARTHASVILLE	63357	MO
43-97-0069	WHITEHEAD, L R ANO WAYNE		CONWAY	65632	MO
43-97-0070	BUCKNER, ALFREO & E JEAN	STAR ROUTE	MARSHFIELD	65706	MO
43-97-0085	BALLARD, JERRY	R R 2	NIANGUA	65713	MO
43-97-9038	OAYPECK JERSEY FARM	R R 2	NIANGUA	65713	MO
43-98-0042	GETZ, LAWRENCE ANO OORIS	STAR ROUTE	GROVE SPRING	65662	MO
43-98-0071	MATTERSON, JOHNNY	R R 2	MANSFIELD	65704	MO
45-02-0004	OTTERNESS, OURWARO		TOWER CITY	58071	NO
45-02-0006	CHARNETZKI, PAUL SR & OON	R R 2	VALLEY CITY	58072	NO
45-02-0036	MILLER, WILLIAM J	R R 2	VALLEY CITY	58072	NO
45-02-9019	CHRIST, ROBERT JR		WIMBLEOON	58492	NO
45-06-9001	SCHAOE, OELMAR A OR JOHN		BOWMAN	58623	NO
45-08-0001	STATE PENITENTIARY		BISMARCK	58501	NO
45-09-0003	ALBERTSON, A S	R R 1	FARGO	58100	NO
45-09-9007	OBRINZ, ROBERT	R R 1	FARGO	58100	NO
45-09-9013	MAOSEN, LORRY I		WHEATLAND	58079	NO
45-09-9042	N OAK ST UNIV AN SCI OEP	STATE UNIV STATION	FARGO	58100	NO
45-09-9044	N OAK ST UNIV AN SCI OEP	STATE UNIV STATION	FARGO	58100	NO
45-16-0004	SCHROEOAR, WILFRED		BOROULAC	58417	NO
45-20-0005	EVERS BROS		BINFORO	58416	NO
45-20-0016	HANSON, K C		HANNAFORO	58448	NO
45-23-0005	POTTS, JIM		LA MOURE	58458	NO
45-29-0002	MILLER, HAROLO J	R R 2 BOX 117	HAZEN	58545	NO
45-29-9001	BOESHANS, WAYNE	R R 2	BEULAH	58523	NO
45-30-0013	KLUSMANN, ERWIN		NEW SALEM	58563	NO
45-30-9040	OPP, RAYMONO ANO SONS	R R 1	GLEN ULLIN	58527	NO
45-47-0001	STATE HOSPITAL	2 FARM MANAGER	JAMESTOWN	58401	NO
45-47-0026	WOLSKY, RONALO		KENSAL	58455	NO
45-47-0031	BAUMGARTNER, OON		COURTENAY	58426	NO
45-51-9002	KAUFFMAN OAIRY	R R 4	MINOT	58701	NO
46-01-0053	UHOEN, CLARENCE	R R 3	OELL RAPIOS	57022	SO
46-01-9043	LIAS BROS		HUMBLOT	57035	SO
46-03-0033	GLANZER BROS		CARPENTER	57322	SO
46-05-0038	FOX, ALOIS ANO SONS		WATERTOWN	57201	SO
46-05-0118	JOHNSTON, HAROLO		SUMMIT	57266	SO
46-05-9039	MUNGER, LAURENCE E	R R 4	WATERTOWN	57201	SO
46-06-9003	BALO, KENNETH A		WHITE	57276	SO
46-15-0003	LOUP, CHARLES		WHITWOOD	57793	SO
46-15-9005	YPPARILA, WILBERT		NEWELL	57760	SO
46-17-0001	SLAMA, FRANK M	R R 2	WAGNER	57380	SO
46-17-0003	COLE, MYRON		PLATTE	57369	SO
46-23-0028	BREZEE, HOWARO V		CLEAR LAKE	57226	SO
46-23-0029	BERWALO, ARLEN	R R	TORONTO	57268	SO
46-26-0008	LIEBE HOLSTEIN FARM	R R 2 BOX 140	MILBANK	57252	SO
46-26-0018	WENOLANO, HERBERT	R R 2 BOX 110	MILBANK	57252	SO
46-26-0042	DAVIS, OONALO L	R R	MILBANK	57252	SO
46-26-0084	VAN VEEN, OONALO	R R 1	REVILLO	57259	SD
46-26-9006	HOOTH, FORGUS		CORONA	57227	SO
46-26-9025	STRUBE, HELMUTH		8IG STONE CITY	57216	SO
46-29-9002	FEINO, WALTER		HAZEL	57242	SO
46-29-9103	MISCHKE, OONALO		HAZEL	57242	SO
46-30-0100	RUST, PAUL C		HERRICK	57538	SO
46-37-0002	BONNIE ELMS FARM		OIMOCK	57331	SD
46-41-0010	STEPHENS, TOM ANO SON		ST ONGE	57779	SD
46-52-0043	PONTO, F W	R R 1	BROOKINGS	57006	SD
46-55-0008	FENHAUS, ROGER	R R	WILMOT	57279	SD
46-60-0012	UNRUH, HAROLO		MARION	57043	SD
46-60-9006	FRIESEN, W D	R R 3	MARION	57043	SD
46-60-9007	GRABER, LEROY		MARION	57043	SD
46-60-9011	LARSEN, ANOREAS	R R 2	HURLEY	57036	SD
46-61-0002	O & M HOLSTEIN FARM		HAMIL	57534	SD
46-70-0013	S OAKOTA PENITENTIARY	S JOHN ORO8NY 911	STOIX FALLS	57100	SD

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
46-70-9010	SOUTH DAKOTA STATE UNIV	1/2 DR J O YOUNG	BROOKINGS	57006	SO
46-70-9014	YANKTON STATE HOSPITAL	ARGYLL E CONNER	YANKTON	57078	SO
46-70-9015	REDFIELD ST HOSP & SCH	LOCK DRAWER 410	REDFIELD	57469	SO
47-01-0001	GRIESS, RUODLF	R R 3	AURORA	68818	NB
47-01-0020	EFFENBECK, WILLIAM & SONS	R R 1	OESHLER	68340	NB
47-01-0022	WOOLSEY, GEORGE-MARY ANN	GEO-ANN DAIRY FARM	INLAND	68954	NB
47-02-0010	KRUGER, MR & MRS W H JR		CLEARWATER	68764	NB
47-02-9007	FRY, WAYNE	R R 1	EWING	68735	NB
47-02-9018	VANDERSNICK, LEWIS		EWING	68735	NB
47-13-0022	BOND, OTIS L		AVOCA	68307	NB
47-20-0006	GILLILAND, WAYNE		WAYNE	68787	NB
47-20-0065	CHAPMAN GUERNSEY FARM		NORTH BEND	68649	NB
47-20-0068	JANSSEN, EVERETT	R R	LAUREL	68745	NB
47-20-9003	EHRLSMAN, WILLIAM		BEEMER	68716	NB
47-20-9009	JOHNSON, STANLEY C		OAKLAND	68045	NB
47-20-9011	LUEBBERT, DONALD	BOX 206 R R 2	WEST POINT	68788	NB
47-20-9025	ORUEKE, HENRY & RICHARD	R R 1 BOX 135	WEST POINT	68788	NB
47-20-9063	HARMS, GEORGE B	R R 1	FREMONT	68025	NB
47-21-0004	KISSELL, DUANE D		SARGENT	68874	NB
47-27-0031	BULL, ERVIN A		YUTAN	68073	NB
47-27-0032	BEHRENS, GAYLE E	R R	MEAD	68041	NB
47-28-0023	PFEIFFER FARMS		ARLINGTON	68002	NB
47-28-0052	ANDERSEN, EDWARD		WATERLOO	68069	NB
47-28-0106	SNIDE, KENNETH L		VALLEY	68064	NB
47-28-9002	FATHER FLANAGANS	80YS HOME	BOYSTOWN	68010	NB
47-28-9008	FLYNN, R P AND SONS	W EUGENE FLYNN R 1	SLAIR	68008	NB
47-28-9036	KEEFER, HERBERT P		PAPILLION	68046	NB
47-28-9058	PETERSEN DAIRY FARM		HERMAN	68029	NB
47-28-9089	ROBERTS DAIRY COMPANY	80X 97	ELKHORN	68022	NB
47-28-9097	MOHR, LYLE C	R R 2	OMAHA 42	68100	NB
47-34-0007	GOIN, FRANCIS P	R R 1	WYMORE	68466	NB
47-34-0010	HAMM, WILLIAM J	R R 4	BEATRICE	68310	NB
47-34-0014	KIMMERLING, MAX	R R 3	BEATRICE	68310	NB
47-34-0046	HAYS, RICHARD A		OOELL	68415	NB
47-34-9013	HUNEKE, VERNON	R R 2	WILBER	68465	NB
47-34-9016	PENNER, ALFREDO T	R R 2	BEATRICE	68310	NB
47-34-9018	RHODES, JOHN S	BOX 177	BEATRICE	68310	NB
47-47-0001	WAIT, PAUL	R R	FULLERTON	68638	NB
47-48-0034	SCHUTZ, ROBERT E		GILEAD	68362	NB
47-48-0039	BANAHAN, ELDEAN	R R 1	STEELE CITY	68440	NB
47-48-0043	BAUMFALK, KENNETH		HARBINE	68369	NB
47-48-9033	TRAEGER, DEYO	R R 4	FAIRBURY	68352	NB
47-49-0018	WARMAN, EDWARD H	R R 1	COOK	68329	NB
47-54-0023	STELLING, DUANE	R R 2 BOX 99	BLOOMFIELD	68718	NB
47-54-0024	WORTMANN, RICHARD	R R 1 BOX 119	CROFTON	68730	NB
47-55-0080	ROBINSON, BRUCE		BENNET	68317	NB
47-55-9005	U OF NEB DAIRY DEP BX 83	L C GARRISON JR	MEADE	68041	NB
47-55-9081	MARVO JERSEYS	R R 1	LINCOLN	68500	NB
47-55-9112	NEBRASKA PENAL COMPLEX	BOX 111	LINCOLN	68500	NB
47-60-0026	SELLIN, ERNEST AND DUANE	R R 3	NORFOLK	68701	NB
47-60-9074	FUHR, R OR L	R R 2	CLARKSON	68629	NB
47-61-0007	MEIER, DONALD	R R 1 BOX 251	GRAND ISLAND	68801	NB
47-61-9011	MEIER, RUBEN	R R 3 BOX 93	GRAND ISLAND	68801	NB
47-61-9050	DEEPWELL FARMS INC		PHILLIPS	68865	NB
47-61-9052	CONDON, MARION	R R 2	AURORA	68818	NB
47-69-0005	GUSTAFSON, RICHARD		FUNK	68940	NB
47-69-0017	LUSH, WARREN		BEAVER CITY	68926	NB
47-70-0018	MAROTZ HIGHLAND FARM INC		HOSKINS	68740	NB
47-70-9036	FUCHTMAN, ALFRED		CREIGHTON	68729	NB
47-71-0020	HELLBUSCH, NORMAN	R R 2	HUMPHREY	68642	NB
47-71-0024	OSTEN, THEO	R R 1 BOX 98	COLUMBUS	68601	NB
47-71-0036	HELLBUSCH, ELMER & ROLAND	R R 2	HUMPHREY	68642	NB
47-76-0002	FREW, JOHN	R R	CRETE	68333	NB
47-79-0030	PIERSON, WALTER E	R R 2	MORRILL	69358	NB
47-80-0007	IMIG, LEO		SEWARD	68434	NB
47-80-0016	STAHLY JERSEY FARM		MILFORD	68405	NB
47-80-0044	STEENBOCK, RAYMOND	R R 2	SEWARD	68434	NB
47-80-0045	TUTTLE AND MILTON		FRIEND	68359	NB
47-80-9012	PHILLIPS BROTHERS	R R 2	BEAVER CROSSING	68313	NB
47-80-9037	OLSON, DON	R R 1	MILFORD	68405	NB
47-82-0015	BECK, IRWIN	R R 2	LITCHFIELD	68852	NB
48-02-9001	BEEZLEY, WM M		GIRARD	66743	KS
48-03-0008	HUNTER, PAUL W	R R 2	PARSONS	67357	KS
48-03-9106	ALLOWAY, NORMAN	R R 2	EDNA	67342	KS
48-03-9118	GROVE HILL FARMS	R R 3	ERIE	66733	KS
48-05-0003	EWING, HAROLD L	R R 1	INDEPENDENCE	67301	KS
48-07-9019	WILMETH, PAUL D JR	R R 1	GRENOLA	67346	KS
48-08-9003	STRICKLER, IVAN		IOLA	66749	KS
48-09-9019	FISCHER, LYLE	R R 2	FORT SCOTT	66701	KS
48-10-0016	SERGEANT, CHARLES O		LEBO	66856	KS
48-10-0046	SCOTT, RAY		LEBO	66856	KS
48-13-0020	KNOP BROS		BUCYRUS	66013	KS
48-13-0059	PEUSER, HAROLD F	R R 5	PAOLA	66071	KS
48-13-9051	PRETZ, GEORGE	R R 1	OSAWATOMIE	66064	KS
48-14-0001	JOHNSON, HAROLD E	R R 4	OTTAWA	66067	KS

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
48-14-0028	JONES, H A	R R 1	POMONA	66076	KS
48-14-0035	FLORY, WAYNE	R R 2	BALWIN	66006	KS
48-14-0040	PAGE BROS	R R 3	OTTAWA	66067	KS
48-14-0045	THORN, MRS YVONNE & ROGER		WELLSVILLE	66092	KS
48-14-0051	BIGSBY, ROBERT R	R R 2	LAWRENCE	66044	KS
48-14-9007	JCHNSON, HOWARD H	R R 1	OTTAWA	66067	KS
48-14-9010	MARTIN, G E & SONS		OVERBROOK	66524	KS
48-14-9011	RANSOM, W G JR AND EST	W G RANSOM	WILLIAMSBURG	66095	KS
48-14-9016	ALFORD, DONALD AND ESTHER	R R 2	LAWRENCE	66044	KS
48-14-9020	WEMPE, F R	R R 1	LAWRENCE	66044	KS
48-14-9030	GAGE, JOHN B AND SONS	RAYMOND CARRICK R1	EUDORA	66025	KS
48-14-9117	ANDERSON, WAYNE	R R 2	OTTAWA	66067	KS
48-16-0036	GABBERT, JAMES W		PRESCOTT	66767	KS
48-16-0059	LOWE, ROBERT A		PRESCOTT	66767	KS
48-19-0062	WHITE, FRANK E	R R 2	CEAR VALE	67024	KS
48-19-9016	WEIR, JOHN JR	R R 2	GEUDA SPRINGS	67051	KS
48-20-9015	REGIER, E B	R R 1	WHITEWATER	67154	KS
48-21-0027	GOERING, HERMAN B	R R 3	MCPHERSON	67460	KS
48-21-0051	WIEBE, VIRGIL		CONWAY	67434	KS
48-21-0091	NEHER, DOYLE	R R	WINDOM	67491	KS
48-21-0099	KREHBIEL DAIRY	R R 3	MCPHERSON	67460	KS
48-22-0038	LEHMAN, WALTER E	R R 1	NEWTON	67114	KS
48-22-9064	JOST, TITUS F	R R 5	NEWTON	67114	KS
48-23-0023	HEADLEY, RANCE K		ELLSWORTH	67439	KS
48-23-9001	CONNER, LESTER AND DELMAR	R R 1 BOX 119	LYONS	67554	KS
48-23-9019	DE WERFF, CHESTER & SONS	R R 2	ELLINWOOD	67526	KS
48-23-9042	COLLE, EUGENE		STERLING	67579	KS
48-23-9046	REED, EDWARD A	R R 2	LYONS	67554	KS
48-24-0002	BURTON, JOHN E		COTTONWOOD FALLS	66845	KS
48-25-0036	MILLER, O W AND SONS	R R 4	GARNETT	66032	KS
48-26-0033	BURKHART, ELRED AND SONS	R R 2	KINSLEY	67547	KS
48-26-0052	WERNER, WALTER	R R 2	KINSLEY	67547	KS
48-26-9004	MARTIN, HARLEY AND DONALD	R R 2 BOX 38	LARNED	67550	KS
48-26-9010	BOWMAN, HERB	R R 2 BOX 89	LARNED	67550	KS
48-26-9046	BEER, GUY R	R R 3	LARNED	67550	KS
48-31-0005	BAYNE, BILL		PROTECTION	67127	KS
48-31-0031	CARTER DAIRY		BUFFALO	73834	OK
48-34-0045	MILLER, DONALD E	ALF MEAD SWISS FM	DODGE CITY R R 1	67801	KS
48-34-9010	KELTNER, HOWARD		MEADE	67864	KS
48-34-9023	DIEHL, FRED		DODGE CITY	67801	KS
48-34-9026	EXPERIMENT STATION	BOX 245	GARDEN CITY	67846	KS
48-44-0018	GRABER, CLAIRE O	R R 1	PRETTY PRAIRIE	67570	KS
48-44-0030	FRANKLIN, EUGENE AND BILL	R R 1	HUTCHINSON	67501	KS
48-44-0102	BLANK FARMS	R R 3	HUTCHINSON	67501	KS
48-44-0126	GOERING, HARRY	R R	BI-MO PRETTY PRAIRIE	67570	KS
48-44-0133	MILLER, MAHLON	R R 1	HUTCHINSON	67501	KS
48-44-0141	HUXMAN, DALE	R R 2	PRETTY PRAIRIE	67570	KS
48-44-0148	BEACHY, HARLEY	R R 1	HUTCHINSON	67501	KS
48-44-0152	HUXMAN, DALE	R R 1	BI-MO PRETTY PRAIRIE	67570	KS
48-44-0164	ROSENHAGEN, RICHARD		CHENEY	67025	KS
48-44-0170	VALLEY VIEW FARM	MELVIN SIEMENS R 2	KINGMAN	67068	KS
48-44-0171	ELMADA GUERNSEY FARM	W ART GEORING R 1	MUROCK	67111	KS
48-44-0172	KREHBIEL, PAUL DEAN	R R 2	KINGMAN	67068	KS
48-44-0173	TETER, ROGER	R R 1	BI-MO BUHLER	67522	KS
48-44-9016	SCHRAG, GALEN	R R 1	PRETTY PRAIRIE	67570	KS
48-44-9071	MC NEW, WALLACE	R R 2	HUTCHINSON	67501	KS
48-44-9163	LEWIS, C C & SONS	R R 4	PRATT	67124	KS
48-45-0023	LEIS, CHARLES		VIOLA	67149	KS
48-45-0082	BECKER, ROBERT E		GODDARD	67052	KS
48-45-0100	NEISES, DAVID H		CHENEY	67025	KS
48-45-9029	HEERSCH BROS	R R 1	MULVANE	67110	KS
48-45-9030	HAND, WALTER AND SONS		MULVANE	67110	KS
48-46-9010	SHETLAR, LUTHER	R R 2	CONWAY SPRINGS	67031	KS
48-50-0030	PLEASANT VALLEY	HOLSTEIN FARM INC	HARPER	67058	KS
48-50-0055	MAT-AYR FARM	?	HARPER	67058	KS
48-50-9033	YOOER, ELLIS	~	CRYSTAL SPRINGS	67033	KS
48-68-9009	HIGHER VIEW DAIRY FARM		HAYS	67601	KS
48-68-9022	WALTERS, DELBERT-GERALD	J	HAYS	67601	KS
48-71-0052	ALMON, H C	R R 1 BOX 38	AURORA	67417	KS
48-71-0057	SHELLEY, CLIVE R	R R 2	JAMESTOWN	66948	KS
48-71-0063	ANDERSON, RICHARD P	R R 2	JAMESTOWN	66948	KS
48-71-0065	HERRMAN, EUGENE FAMILY	R R 1	SCANDIA	66966	KS
48-72-0006	HATESOHL, HERBERT		GREENLEAF	66943	KS
48-72-0063	HAMEL, ROY JUNIOR	R R 3	CLIFTON	66937	KS
48-72-9001	LOHMEYER, ARNOLO	R R 1	PALMER	66962	KS
48-75-0016	VAN HORN, MAX		GLEN ELOER	67446	KS
48-77-0034	PRUITT, LLOYD L	R R	BARNARD	67418	KS
48-77-0040	RAHMEIER, OELBERT		SYLVAN GROVE	67481	KS
48-77-0049	WESLEY, MR & MRS ALBERT	SUNGLO DAIRY	ADA	67414	KS
48-77-9013	WILSON BROTHERS	R R 2	LINCOLN	67455	KS
48-77-9022	BERNOT, MR & MRS ALAN A		SIMPSON	67478	KS
48-77-9047	BLANO, GENE		LUCAS	67648	KS
48-79-0004	HYCLED DAIRY	W EOWESSLING R 1	NEW CAMBRIA	67470	KS
48-79-0026	MORRISON BROS	R R 2	SALINA	67401	KS
48-79-9007	MCDOWELL, IRVIN & SONS	R R 3	SALINA	67401	KS

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
48-79-9009	CARLIN, J W AND SON	R R	SMDLAN	67479	KS
48-79-9014	SCHNEIDER BROS	R R 1	SALINA	67401	KS
48-79-9017	FORSBERG BROS	3 KURT FORSBERG RR	ASSARIA	67416	KS
48-79-9038	MAYER, LAWRENCE	R R	GYPSPUM	67448	KS
48-79-9054	KARBER, GERALD J	R R 1	GYPSPUM	67448	KS
48-80-9030	STEENBOCK, QUINN & SONS		MANCHESTER	67463	KS
48-81-0059	FREY, NOBLE	R R 4	ABILENE	67410	KS
48-81-0061	SMITH, DELBERT	R R 2	ENTERPRISE	67441	KS
48-81-0064	SCANLAN, HAROLD	R R 1	ABILENE	67410	KS
48-81-0073	ROBSON, DEAN	R R 3	ABILENE	67410	KS
48-81-9035	SEXTON, JACK	R R 1	ABILENE	67410	KS
48-82-0012	REMPER, LLOYD & SONS	R R 1 BOX 65	HILLSBORO	67063	KS
48-82-0026	ENNS, LAUREN W	R R 3 BOX 39	HILLSBORO	67063	KS
48-82-0028	UNRUH, OLIVER R	R R 1	HILLSBORO	67063	KS
48-82-9016	UNRUH, CHESTER D	R R 3 BOX 20	HILLSBORO	67063	KS
48-83-0042	BAUCK, GLEN	R R 2	LYNDON	66451	KS
48-84-0029	MYERS, FRANKLIN	R R 1	AMERICUS	66835	KS
48-86-0021	NAUERH, WESLEY	R R 2	MANHATTAN	66502	KS
48-86-9026	OLSON, HERBERT	R R 1	ALTA VISTA	66834	KS
48-86-9027	SCHURLE, DAVID	R R 1	MANHATTAN	66502	KS
48-88-0054	BOWEN, SAMUEL D	R R 4	HIAWATHA	66434	KS
48-88-0076	MOSER, RALPH & LOWELL A	7	PDWHATTAN	66527	KS
48-88-9031	TORKELSON, CLARENCE	R R 5	HIAWATHA	66434	KS
48-89-0013	KESLER, HAROLD R	R R	SABETHA	66534	KS
48-89-0025	HOLTHAUS, EDWIN	R R	SOLDIER	66540	KS
48-89-0032	BUSSING, W J	R R	BAILEYVILLE	66404	KS
48-89-9014	MONTGOMERY, E J	R R 4	SABETHA	66534	KS
48-89-9015	ROEDER, MATTHIAS		SENECA	66538	KS
48-91-0054	FLAMING, VERNON L	R R 2 BOX 30	HILLSBORO	67063	KS
48-91-0078	HANSCHU, LYLE		RAMONA	67475	KS
48-91-0081	ANDRES, ELDON	R R 1	PEABODY	66866	KS
48-91-9031	FUNK, LLOYD A	R R 1 BOX 95	HILLSBORO	67063	KS
48-92-0056	JOHNSTON, ELDON	R R 1	GRANTVILLE	66429	KS
48-92-0069	LEACH, ROBIN DEE	7	LINWOOD	66052	KS
48-92-0078	NEHRBASS, BOB	R R 1	OSKALOUSA	66066	KS
48-92-9064	SCHRIK, LARRY	R R 3	ATCHISON	66002	KS
48-93-0044	SHAW, HOWARD	R R 2	HOLTON	66436	KS
48-93-9010	PHILLIPS, HARLAN R	R R 1	MAYETTA	66509	KS
48-95-9010	PALMER, GLENN A	R R 1	TOPEKA	66600	KS
48-95-9015	MORAN, FLOYD	ROUTE 9	TOPEKA	66600	KS
48-95-9043	KOCH, JOSEPH	R R 9	TOPEKA	66600	KS
48-95-9062	CLARK, DELBERT R		BERRYTON	66409	KS
48-96-0040	COMP, LESLIE E	R R 1	WHITE CITY	66872	KS
48-96-0043	COMP, E T AND JON	R R 1	WHITE CITY	66872	KS
48-96-9011	ANDYACRES HOLSTEIN FARM	R R 2	WHITE CITY	66872	KS
48-97-0016	PENITENTIARY DAIRY		LANSING	66043	KS
48-97-0037	SPRANG, FRANCIS		EFFINGHAM	66023	KS
48-97-9030	BODENHAUSEN, DALE		MUSCOTAH	66058	KS
48-99-0027	MORRISON, ELDON	R R 2	SPRINGHILL	66083	KS
48-99-9022	HYER, FRED D	716 N WATER	DLATHE	66061	KS
48-99-9040	WILSON, CHASE	BOX 8089	PRAIRIE VILLAGE	66203	KS
50-10-0001	NELSON, PAUL & RONALD	R D 3	NEWARK	19711	DE
50-10-0013	PASSMORE, WILLS	R D 1 BOX 64	TOWNSEND	19734	DE
50-10-0020	BUENA VISTA FARM	BOX 3780	WILMINGTON 7	19800	DE
50-10-0074	SHEATS, EARL L.	ROUTE 1	MIDDLETOWN	19709	DE
50-10-0082	COLLINS, GILBERT L.	R D 2	MIDDLETOWN	19709	DE
50-10-0084	SHEATS, LLOYD & DAVID	RD 2 MIDDESSA FARM	MIDDLETOWN	19709	DE
50-10-0085	CLEAVER, G. LESTER	MAPLE GROVE FARM	MIDDLETOWN	19709	DE
50-10-0087	KUX, WILLIAM	AUGUSTINE CREEK FA	PORT PENN	19731	DE
50-10-0095	KOELIG, J. OLIVER	R D 2	NEWARK	19711	DE
50-10-0099	FEUCHT, CARL W. JR.	R D 1 HD 1	MIDDLETOWN	19709	DE
50-10-9007	UNIVERSITY OF DELAWARE	ATT G F W HAENLEIN	NEWARK	19711	DE
50-10-9008	UNIVERSITY OF DELAWARE	ATT G F W HAENLEIN	NEWARK	19711	DE
50-10-9014	PHIPPS, W. L. AND SON	RD 1 101 OWLS NEST	WILMINGTON	19800	DE
50-10-9027	COOK, H. WALLACE & SON	AVONDALE FARM R D	NEWARK	19711	DE
50-10-9083	ZEITLER BROTHERS	R D 1	NEWARK	19711	DE
50-10-9096	REED, DAVID H.	R D 2	MIDDLETOWN	19709	DE
50-20-0005	HOLLYRILL FARM INC.	BOX 135 R D #1	FELTON	19943	DE
50-20-0021	HAAS, WOODROW	RD	WYOMING	19934	DE
50-20-0023	DIXON, SAM	R D 1	CLAYTON	19938	DE
50-20-0025	BLENDT, CHARLES C.	RD	SMYRNA	19977	DE
50-20-0034	KOZICKI, HENRY	RD	CLAYTON	19938	DE
50-20-0073	CAIN, DELBERT	R D 2	HARRINGTON	19952	DE
50-20-0095	LARMAC FARM	HAZLETVILLE RD	DOVER	19901	DE
50-20-0129	WILLIAMS, DANIEL E. JR.	R D 2	GREENWOOD	19950	DE
50-20-0130	BLENDT, CARLTON JR.	ROUTE 1	TOWNSEND	19734	DE
50-20-0134	DAVIS, C. ALLEN	R D 1	CLAYTON	19938	DE
50-20-0137	KOLAKOWSKI, THOMAS A.	BOX 95 R D	CLAYTON	19938	DE
50-20-0139	PIERSON, PHILIP	R D 1 BOX 102	CLAYTON	19938	DE
50-20-9028	BANCROFT AND THOMAS	RD 1 BOX 475	DOVER	19901	DE
50-30-0009	BAILEY, J. E. & SONS INC		FEDERALSBURG	21632	MD
50-30-0021	HUDSON, WILLIAM & SONS	R D 1	MILTON	19968	DE
50-30-0032	WILKINS, HOWARD E.	BOX 50	MILFORD	19963	DE
50-30-0050	CRESS, ELDRED		FRANKFORD	19945	DE
50-30-0058	BRYAN, HOMER		LEWES	19958	DE

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
50-30-0064	VANDERWENDE, WILLIAM		BRIDGEVILLE	19933	DE
50-30-0124	TRICE, WILMER	ROUTE 2 BOX 203	FEDERALSBURG	21632	MD
51-01-0011	CLIFTON H WAYSON		DAVIDSONVILLE	21035	MD
51-01-9018	JOHN W VANDERSALL	UNIV MD ANML SC BL	COLLEGE PARK	20742	MD
51-01-9026	N W HODVEN, JR	BLD 173-AGR RES CT	BELTSVILLE	20705	MD
51-02-0007	D E OR C M COLE	COLEVIEW FARM	HAMPSTEAD	21074	MD
51-02-0035	CLOVERLAND DAIRY FARMS		PHOENIX	21131	MD
51-02-0041	JAMES W ARMACOST	JAMARIE FARM	UPPERCO	21155	MD
51-02-0099	KENNETH RHDEN	CLAY BOTTOM FARM	HAMPSTEAD	21074	MD
51-02-0144	BILLY NELSON		WHITE HALL	21161	MD
51-02-9026	E & R F ARMACOST	HICKORY HILL FARM	UPPERCO	21155	MD
51-02-9040	H B MILLHAUSER	LOGWOOD FARM	REISTERSTOWN	21136	MD
51-02-9125	C STREET-KOLK FARM	MANOR ROAD	LONG GREEN	21092	MD
51-02-9135	MILTON G WHITE, JR		HYDE	21082	MD
51-03-0002	FERDINAND NAGEL	BOX 381, RFD 2	FEDERALSBURG	21632	MD
51-03-0016	JOHN FUCHS & SON		DENTON	21629	MD
51-03-0027	WM E & EDWIN MEREDITH	RD 2 BOX 244	FEDERALSBURG	21632	MD
51-03-0028	THOMAS TODD, JR		FEDERALSBURG	21632	MD
51-03-0056	ROBERT J MEREDITH	RFD 2 BOX 255	FEDERALSBURG	21632	MD
51-03-0069	CHARLES T DEAN & SONS	R D BOX 214	RIDGELY	21660	MD
51-03-0074	COLLISON DAIRY FARM	R W COLLISON-RD 3	HARRINGTON	19952	DEL
51-03-9011	BROOKS NAGEL AND SON		PRESTON	21655	MD
51-03-9068	J HANSEN HOFFMAN		RIDGELY	21660	MD
51-04-0006	MICHAELS HOME INC	P. D. BOX 172	TANEYTOWN	21781	MD
51-04-0014	MRS EARL BUCKEY		UNION BRIDGE	21791	MD
51-04-0022	BARNES AND WILHIDE	RFO 2	NEW WINDSOR	21776	MD
51-04-0031	EARL D BEARD	R F D 3	WESTMINSTER	21157	MD
51-04-0035	ROGER MYERS & SONS	RFD 6	WESTMINSTER	21157	MD
51-04-0036	ROLAND POOL	RFD 4	WESTMINSTER	21157	MD
51-04-0037	DONALD DELL	RFD 3	WESTMINSTER	21157	MD
51-04-0046	M HOWARD DEVILBISS	RD 5	WESTMINSTER	21157	MD
51-04-0048	KEY DE BLUE FARM	CARROLL M WILHIDE	DETOUR	21725	MD
51-04-0151	H W & H E ROACH	RFD 1	NEW WINDSOR	21776	MD
51-04-0169	HERBERT WESSEL	RFD 2	HAMPSTEAD	21074	MD
51-04-0181	MARLIN HOFF	RD 2	NEW WINDSOR	21776	MD
51-04-0184	HENRY T MULLER	RD 5	WESTMINSTER	21157	MD
51-04-0186	WILLIAM E SCHNEIDER	RD 3	SYKESVILLE	21784	MD
51-04-0223	ROBERT H SMITH	RFD 5	WESTMINSTER	21157	MD
51-04-0228	JAMES & ARDEL STONESIFER	BOX 140, ROUTE 7	WESTMINSTER	21157	MD
51-04-0235	W H BARNES JR	ROUTE 2 BOX 210	MT AIRY	21771	MD
51-04-0249	RASH BROTHERS	ROUTE 1	WOODBINE	21797	MD
51-04-0255	R E AND NORMAN BASSLER		NEW WINDSOR	21776	MD
51-04-0262	VICTOR GRAYSON		KEYMAR	21757	MD
51-04-0288	LON & MAODALLEN EDWARDS		UNION BRIDGE	21791	MD
51-04-0292	J A SCHWARTZBECK, JR	ROUTE 1	UNION BRIDGE	21791	MD
51-04-9030	JOHN H HULL	RFD 3	WESTMINSTER	21157	MD
51-04-9122	CHARLES HARDESTY		WOODBINE	21797	MD
51-04-9170	SWISSVALE FARMS	% E GRISWOLD RD 2	WESTMINSTER	21157	MD
51-04-9197	ROBERT & JOHN RINEHART	RFD 1	LITTLESTOWN	17340	PA
51-04-9282	DONALD GARST	RD 1	NEW WINDSOR	21776	MD
51-05-0003	CHARLES H REISLER	RD 1	NOTTINGHAM	19362	PA
51-05-0009	HOWARD T ENGLAND	RD 1	NORTH EAST	21901	MD
51-05-0010	ELBERT RAY MC GRADY	RD 1	RISING SUN	21911	MD
51-05-0021	F GUY MC GRADY	RD 1	RISING SUN	21911	MD
51-05-0056	ALFRED T CROTHERS	RD 1	RISING SUN	21911	MD
51-05-0098	JOSEPH W ORR, SR.		RISING SUN	21911	MD
51-05-0107	FLOYD ALLRED AND SON		COLORA	21917	MD
51-05-0122	ALBECK FARMS, INC.	RD 2	RISING SUN	21911	MD
51-05-0134	FRED H LIESKE AND SON	RD 1	RISING SUN	21911	MD
51-05-0142	ROBERT CROTHERS ENGLAND	RD 1	RISING SUN	21911	MD
51-05-0167	ANCHOR & HOPE INC	%GEORGE DEBNAM	PORT DEPOSIT	21904	MD
51-05-0172	LOVOAL FARMS	ROAD 0	RISING SUN	21911	MD
51-05-9001	MT ARARAT FARMS	FRANK O BROWN	PORT DEPOSIT	21904	MD
51-05-9014	DONALD BALOERSTON		COLORA	21917	MD
51-05-9022	WHITE HALL FARM	MILTON M BROWN	CECILTON	21913	MD
51-05-9044	JOSEPH B OSBORNE	ROUTE 1, BOX 142	NORTH EAST	21901	MD
51-05-9110	WILLARD R LANE	HAVEN LN FRMS-RD2	RISING SUN	21911	MD
51-05-9132	GEORGE C FRY		EARLEVILLE	21919	MD
51-06-0009	PHILLIPS BROTHERS	RFO 1	VIENNA	21869	MD
51-06-0019	RAWLINGS APPLE	RD 1, BOX 140	VIENNA	21869	MD
51-06-0027	BRINSFIELD BROTHERS	BOX 139	VIENNA	21869	MD
51-06-0034	JOSEPH HOLECHECK		FEDERALSBURG	21632	MD
51-06-0040	LUTHER HUSTON	RFD 1	HEBRON	21830	MD
51-07-0023	AUSTIN B COBLENTZ	ROUTE 1	JEFFERSON	21755	MD
51-07-0024	MAYNARD HAWKER	ROUTE 2	MIDDLETOWN	21769	MD
51-07-0026	JOHN A HOPE, JR.	RFD	KNOXVILLE	21758	MD
51-07-0039	PAUL E CRAMER	R R LEWIS FARM	WALKERSVILLE	21793	MD
51-07-0041	WILLIAM J WILCOM, JR.	WELCOME LWN FM-RT2	FREDERICK	21701	MD
51-07-0060	ROBERT S RAMSBURG	ROUTE 1 BOX 192	WALKERSVILLE	21793	MD
51-07-0064	AUSTIN L REEDER	ROUTE 2	UNION BRIDGE	21791	MD
51-07-0145	MERHLE C FLOOK	ROUTE 2	FREDERICK	21701	MD
51-07-0166	PAUL E SPURRIER	ANOVADALE FMS-RT 2	UNION BRIDGE	21791	MD
51-07-0180	RICHARD R REMSBURG	RFO	JEFFERSON	21755	MD
51-07-0184	KENNETH BURRIER	ROUTE 1	UNION BRIDGE	21791	MD
51-07-0192	IRVIN H ZIMMERMAN		WALKERSVILLE	21793	MD

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	ADDRESS OF OWNER	TOWN	ZIP-CODE	STATE
51-07-0236	ALLEN BROTHERS	RFD		JEFFERSON	21755	MD
51-07-0242	PAUL H CLEMSON JR	P. O. BOX 56		FREDERICK	21701	MD
51-07-0253	WEBSTER G MAC CARTEE	ROUTE 1		WALKERSVILLE	21793	MD
51-07-0297	T M KLING & SON	ROUTE 1		ADAMSTOWN	21710	MD
51-07-0298	JOHN AND CHARLES RIGGS	ROUTE 2		KEYMAR	21757	MD
51-07-0332	DONALD L WACHTER			KEYMAR	21757	MD
51-07-0347	HARDLO OGDON	ROUTE 2		UNION BRIDGE	21791	MD
51-07-0365	CHARLES AND JANE SMITH	ROUTE 1		JEFFERSON	21755	MD
51-07-0397	ED AND CAROL KAHLER	ROUTE 2		KEYMAR	21757	MD
51-07-0409	CHARLES A WILES	RFO 9		FREDERICK	21701	MD
51-07-0417	D CLAYTON SMITH			JEFFERSON	21755	MD
51-07-0432	MEHRLE H RAMSBURG JR	RFD #1		THURMONT	21788	MD
51-07-9019	C RICHARD AHALT	RICHVALE FARM		MIDDLETOWN	21769	MD
51-07-9020	MAURICE S AHALT	CATDOCHREEK FARM		MIDDLETOWN	21769	MD
51-07-9025	CECIL K HOLTER AND SON	ROUTE 1		JEFFERSON	21755	MD
51-07-9027	J WILMER HOUSE	RFD		MIDDLETOWN	21769	MD
51-07-9029	HICKORYVALE FARM	ROUTE 2		MIDDLETOWN	21769	MD
51-07-9031	FRANK G REMSBERG	ROUTE 2		MIDDLETOWN	21769	MD
51-07-9035	EDGAR C VIRTIS, JR.	RFD		JEFFERSON	21755	MD
51-07-9040	C LESTER DUORDW			LIME KILN	21763	MD
51-07-9066	DAVID F GROSSNICKLE			UNION BRIDGE	21791	MD
51-07-9086	RUSSELL S WACHTER			KEYMAR	21757	MD
51-07-9109	JAMES M STUP			WALKERSVILLE	21793	MD
51-07-9140	CLARKE & BEATRICE TOMS	ROUTE 10		FREDERICK	21701	MD
51-07-9161	J FRED GROOMES	ROUTE 4		MT AIRY	21771	MD
51-07-9164	WILLIAM C KEPLER	RFO		MIDDLETOWN	21769	MD
51-07-9172	J WILFRED RUNKLES			MONROVIA	21770	MD
51-07-9199	WALLACE P NEILSON	RFD 2		NEW WINDSOR	21776	MD
51-07-9272	ODNALD DEAN KELLER			MIDDLETOWN	21769	MD
51-07-9281	JAMES R HILL	HILL HOPE FARM-RT 2		EMMITSBURG	21727	MD
51-07-9375	ED & CAROL KAHLER	ROUTE 2		KEYMAR	21757	MD
51-07-9382	ROBERT & MARY PDDLE	RFD 4		FREDERICK	21701	MD
51-07-9390	GLEN E MORROW	1026 17TH ST NW		WASHINGTON	20036	DC
51-07-9394	ODNALD L WILCOM			JAMSVILLE	21754	MD
51-07-9407	REUBEN & THEL LOCKE	ROUTE 6		FREDRICK	21701	MD
51-07-9422	HAROLD LONG	ROUTE 1		THURMONT	21788	MD
51-08-0005	CRIST YDDER			GRANTSVILLE	21536	MD
51-08-0023	ROSS CROWE			OAKLAND	21550	MD
51-08-0041	CLAUDE W WAGNER, JR.	STAR ROUTE		OAKLAND	21550	MD
51-08-0066	OREN BENDER	ROUTE 2		ACCIDENT	21520	MD
51-08-0077	WILLIAM FITZWATER, JR.	RD 1, BOX 54		SHANTON	21561	MD
51-08-0085	JOHN JR YODER	RD 1		GRANTSVILLE	21536	MD
51-08-0113	GLENN OURST	STAR ROUTE		FROSTBURG	21532	MD
51-08-0118	CARL BENDER			ACCIDENT	21520	MD
51-08-0140	EDGAR R YODER	STAR ROUTE		GRANTSVILLE	21536	MD
51-08-9117	G & E CATTLE COMPANY			ACCIDENT	21520	MD
51-09-0029	HAROLD SMITH	RD 1, BOX 49		WHITE HALL	21161	MD
51-09-0035	RONALD JONES	ROUTE 1, BOX 294		WHITE HALL	21161	MD
51-09-0039	CHARLES BIRCH	RD		STEWARTSTOWN	17363	PA
51-09-0074	WILSON S JONES	ROUTE 2, BOX 8		STREET	21154	MD
51-09-0115	BENJAMIN H AMDSS	ROUTE 1		FALLSTON	21047	MD
51-09-9187	SCHEMING BROTHERS	RD 2 BOX 132		SEL AIR	21014	MD
51-10-0010	DAKDALE FARM	& ALLEN HILL		WODDBINE	21797	MD
51-10-0016	WILLIAM R POWELL & SONS			ELLICOTT CITY	21842	MD
51-10-0137	U.S. NAVAL ACADEMY DAIRY			GAMBRILLS	21054	MD
51-10-9008	NINA R CARROLL	DOUGHOEGAN MANOR		ELLICOTT CITY	21042	MD
51-10-9018	C E IAGER AND SONS			FULTON	20759	MD
51-10-9098	UNIVERSITY OF MARYLAND	FORAGE RESEARCH FM		ELLICOTT CITY	21042	MD
51-10-9131	ODNALD SIMPSON	JOHN HOPKINS ROAD		CLARKSVILLE	21021	MD
51-10-9146	R CURTIS OAY	8711 MAIN STREET		DAMASCUS	20750	MD
51-11-0005	ANDELOT INCORPORATED			WORTON	21678	MD
51-11-0021	WILBUR H MORRIS	ROUTE 2		CHESTERTOWN	21620	MD
51-11-0050	BRICK HOUSE FARM, INC.	RD 2		CHESTERTOWN	21620	MD
51-11-0065	E R COOK AND SON			KENNEOYVILLE	21645	MD
51-11-0106	OLIN OAVIS, JR.			GOLTS	21637	MD
51-11-0117	JOHN O FERNWALT, JR.			KENNEOYVILLE	21645	MD
51-11-0121	EARLE CHANCE AND SON			GALENA	21635	MD
51-11-0133	JOSEPH A MC HENRY & SONS	R F D		KENNEOYVILLE	21645	MD
51-11-0143	ALBERT F BAXTER			WORTON	21678	MD
51-11-0146	WILLIAM M CHANCE, JR.	RD		KENNEOYVILLE	21645	MD
51-11-0149	JOSEPH W SMITH			MILLINGTON	21651	MD
51-11-0151	GEORGE RONNIE LEAGER			CHESTERTOWN	21620	MD
51-11-0156	MC GUIRE BROTHERS, INC.	BOX 6		KENNEOYVILLE	21645	MD
51-11-9034	H JULIAN HILL & SONS	RFD		KENNEOYVILLE	21645	MD
51-11-9073	R S TARBUTTON			KENNEOYVILLE	21645	MD
51-11-9115	WILLIAM L MC DANOLDS			STILL POND	21667	MD
51-11-9122	EOWIN C FRY	RD 1		CHESTERTOWN	21620	MD
51-11-9137	CARL C LEONARD	RFO		KENNEOYVILLE	21645	MD
51-11-9150	G P MC DANOLDS, JR.	RD		WORTON	21678	MD
51-12-0024	MARION LEE HOLLAND			POCOMOKE CITY	21851	MD
51-12-0048	C J HUOSON AND SONS	RD 1		BERLIN	21811	MD
51-12-0052	LEONARD MILLER			WESTOVER	21871	MD
51-13-0040	MRS GEO. CRAWFORD & SONS	BOX 257		GERMANTOWN	20767	MD
51-13-0064	O AND E B WEITZER			POOLESVILLE	20837	MD
51-13-0174	WILLIAM PARRECO	OAKWOOD FARMS		GERMANTOWN	20767	MD

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
51-13-0200	CLARENCE PEARSON	15001 SHAOY GROVE	ROCKVILLE	20850	MO
51-13-9002	GARRETT BROTHERS	10810 OARNESTWN RO	ROCKVILLE	20854	MO
51-13-9035	CHARLES SAVAGE	RO 1	GAITHERSBURG	20760	MO
51-13-9135	LESLIE C KING	KINGSTEA0 FARMS	CLARKSBURG	20734	MO
51-14-0004	E STUART OELBROOK	BOX 121, ROUTE 1	MT SAVAGE	21545	MO
51-14-0064	DONALD V BROOKE	ROUTE 1, BOX 191	KEYSER	26726	WVA
51-15-0027	MEADOW BROOK FARM	RO 3	CENTERVILLE	21617	MO
51-15-0037	BARCLAY R STANTON		CHURCH HILL	21623	MO
51-15-0090	R ALAN COLEMAN	RO 1	SUOLERSVILLE	21668	MO
51-15-0091	WILLIAM W KLING	RO 1	CENTERVILLE	21617	MO
51-15-0101	JAMES ROBERT SPIES	ROUTE 1, BOX 102	HENOERSON	21641	MO
51-15-0105	F REEO LEAVERTON		CENTERVILLE	21617	MO
51-15-0167	IRVING SPRY	RO 1	CHESTERTOWN	21620	MO
51-15-0109	FRANKLIN MOORE	RO 1, BOX 90	CENTERVILLE	21617	MO
51-15-0120	LYNCH FARM ENTERPRISES	C RUSSUM-RT 1 BX53	CENTERVILLE	21617	MO
51-15-0124	KIMSTEA0 FARM		CENTERVILLE	21617	MO
51-15-0126	WM A & O WAYNE MCFARLANO		PRICE	21656	MO
51-15-9106	E JARRETT EVERETT		PRICE	21656	MO
51-15-9119	JOHN L KING, JR.	ROUTE 1, BOX 56	CHURCH HILL	21623	MO
51-15-9121	LLOYD MARION ANOREW	ROUTE 1	CENTERVILLE	21617	MO
51-16-0044	ARTHUR F COVEY	GLEBE ROAD	EASTON	21601	MO
51-17-0004	GEORGE STILES	FARM 2 - ROUTE 1	BOONSBORO	21713	MO
51-17-0005	R A MC CAULEY	ROUTE 6	HAGERSTOWN	21740	MO
51-17-0007	O E RINEHART	ROUTE 3	SMITHSBURG	21783	MO
51-17-0008	NORMAN E EBY	ROUTE 4	HAGERSTOWN	21740	MO
51-17-0035	TRUMAN MARTIN	2454 PA AVE	HAGERSTOWN	21740	MO
51-17-0036	EARL GROVE	ROUTE 3	HAGERSTOWN	21740	MO
51-17-0037	WILLIAM H PRICE	ROUTE 1	CLEAR SPRING	21722	MO
51-17-0072	ODWNEY FARMS INC	ROUTE 1	WILLIAMS	21795	MO
51-17-0075	ADIN MARTIN	2045 PA AVE	HAGERSTOWN	21740	MO
51-17-0080	LEON PRICE	ROUTE 3	HAGERSTOWN	21740	MO
51-17-0081	MC MULLAN AND GRAVES	ROUTE 1	CLEAR SPRING	21722	MO
51-17-0084	CARL W HENOERSHOT	ROUTE 1	CLEAR SPRING	21722	MO
51-17-0085	PRICES FARMS INC	ROUTE 1	BOONSBORO	21713	MO
51-17-0095	FIREY BROTHERS	ROUTE 1	CLEAR SPRING	21722	MO
51-17-0108	BROOKLAWN FARMS	ATT H L MILLS, RF	HAGERSTOWN	21740	MO
51-17-0111	GLENN E MARTIN	ROUTE 2	KNOXVILLE	21758	MO
51-17-0131	DONALD SHENBERGER	1666 1/2 SALEM AVE	HAGERSTOWN	21740	MO
51-17-0144	THOMAS E SHAW	ROUTE 1	FAIRPLAY	21733	MO
51-17-0163	CHARLES STILES	ROUTE 2	BOONSBORO	21713	MO
51-17-0171	EDWARD P ROBINSON	ROUTE 1	HAGERSTOWN	21740	MO
51-17-0175	ROY J BYERS	ROUTE 2	HAGERSTOWN	21740	MO
51-17-0197	LEONARD E LOWRY	ROUTE 4	HAGERSTOWN	21740	MO
51-17-0198	JOHN DELANO BEARO	ROUTE 1	BOONSBORO	21713	MO
51-17-0202	JOHN S SHANK	ROUTE 3	HAGERSTOWN	21740	MO
51-17-0203	RICHARD W HARBAUGH	ROUTE 1	FAIRPLAY	21733	MO
51-17-0209	ROGER ROWE	ROUTE 3	SMITHSBURG	21783	MO
51-17-0212	KINGMORE FARMS	WM F FILMORE	BOONSBORO	21713	MO
51-17-0222	RAYMOND OIVELBISS	ROUTE 1	CLEARSPRINGS	21740	MO
51-17-9001	RALPH W SHANK	ROUTE 3	HAGERSTOWN	21740	MO
51-17-9018	DAVID W LITTON	ROUTE 1	BOONSBORO	21713	MO
51-17-9021	SETH K SCHNEBLY	ROUTE 1	CLEAR SPRING	21722	MO
51-17-9093	ADAM R MARTIN	ARLO FARM	MAUGANSVILLE	21767	MO
51-17-9120	ARTHUR ROODERICK	ROUTE 1	HAGERSTOWN	21740	MO
51-17-9157	ARTHUR T LITTON	ROUTE 1	CLEAR SPRING	21722	MO
52-04-0003	RIVERSIDE FARM	ROUTE 4	AMELIA	23002	VA
52-04-0009	W J MORRIS & SONS	ROUTE 3	AMELIA	23002	VA
52-04-0010	EGGLESTETTONS DAIRY FA	MORRIS SONS	AMELIA	23002	VA
52-04-0011	CHARLES F MOYER	ROUTE 4	AMELIA	23002	VA
52-04-0028	GLENMORE FARM	ROUTE 3	AMELIA	23002	VA
52-05-0002	O H OILLARO	HOMEWOOD FRMS	MONROE	24574	VA
52-07-0024	G KEITH SHAVER		CRIMORA	24431	VA
52-07-0025	SMITHS DAIRY	EUGENE E SMITH	CHURCHVILLE	24421	VA
52-07-0034	MAPLE LAWN DAIRY	RALPH SIMMONS RT	FISHERSVILLE	22939	VA
52-07-0037	ROBERT G HEIZER	STAR ROUTE 8	STAUNTON	24401	VA
52-07-0041	W W RAWLEY	GREEN VALLEY FARM	MT SOLON	22843	VA
52-07-0044	HAROLD W ROLLER	ROUTE 1	WEYERS CAVE	24486	VA
52-07-0055	HERSHEL H GARONER	R F O 1 BOX 30	MOUNT SOLON	22843	VA
52-07-0091	H A ORIVER & SON		WEYERS CAVE	24486	VA
52-07-0096	MEADOW RUN DAIRY FARM	W B CLINE	WAYNESBORO	22980	VA
52-09-0023	I C GOODE AND SONS	ROUTE 2	HUDOLESTON	24104	VA
52-09-0092	WIPLEDALE FARM	ROUTE 5 BOX 554	BEOFORO	24523	VA
52-09-0104	BROCKENBOUGH FARM	ROUTE 1	FOREST	24551	VA
52-11-0007	CAVE HILL DAIRY FARM	A H HENOERSON RT	TROUTVILLE	24175	VA
52-11-0009	ROUND HILL FARM	W F HYLTON RT 1	FINCASTLE	24090	VA
52-11-0014	F P WICKLINE	BEAVER DAM DAIRY	BUCHANAN	24066	VA
52-12-0005	DIAMOND GROVE FARM	DOUGLAS B CHLO	BROONAX	23920	VA
52-12-0011	LAWRENCE E WRIGHT JR	RT 2 BOX 141-A	BROONAX	23920	VA
52-12-0012	WESHAM MANOR DAIRY	RT 2 BOX 153	BROONAX	23920	VA
52-12-0020	E E MOSELEY		BRACEY	23919	VA
52-15-0001	JOHN W ARTHUR	ROUTE 1	RUSTBURG	24588	VA
52-15-0008	H T PATRICK AND SON		RUSTBURG	24588	VA
52-19-6025	JOHN MORSE	GOLDEN RIVER FARM	BROOKNEAL	24528	VA
52-21-0001	JOHN O HAROESTY & SON	HARVUE FARM RT 1	BERRYVILLE	22611	VA
52-23-0029	JAMES A WEAVER JR	MOUNTAIN DEW FARM	CULPEPPER	22701	VA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
52-23-0035	JOHN M WILLIS	BOX 788	CULPEPER	22701	VA
52-23-0039	EARL S HAWKINS	ROUTE 2	CULPEPER	22701	VA
52-23-0042	JOHN A HUNT	LOCUST HILL FARM	CULPEPER	22701	VA
52-23-0053	FRED G BUSHWELL	BOX 141	CULPEPER	22701	VA
52-23-0054	VA BAPTIST HOME INC	PO BOX 191	CULPEPER	22701	VA
52-23-0063	G L HARLOW	MAPLE SPRINGS	CULPEPER	22701	VA
52-23-0067	WILLIAM A HOUCK	ROUTE 2 BOX 294A	CULPEPER	22701	VA
52-23-0075	EUGENE BROWN		STEVENSBURG	22741	VA
52-23-0082	RICHARD P HARRIS JR	RTE 4	CULPEPER	22701	VA
52-24-0002	GREEN CREEK FARM	R L AGEE	FARMVILLE	23901	VA
52-24-0003	CUMVA FARM	RFO 1	FARMVILLE	23901	VA
52-28-0005	MANAGER FRANKLIN FARMS	3227 CENTERVILLE R	HERNOON	22070	VA
52-29-0002	J W & L L DAY		MIDLAND	22728	VA
52-29-0003	J W & J N EUSTACE	WILLDOLYN FARMS	CATLETT	22019	VA
52-29-0011	M B JR & FRANK C OTT	ATTN MORGAN B OTT	BEALETON	22712	VA
52-29-0012	LACY W PETERS	AUTUMN HILL FARM	CATLETT	22019	VA
52-29-0023	ELK MOUNT FARM	% A W PATTON	MIDLAND	22728	VA
52-29-0060	SAMUEL & W E BUTLER JR	RIOGEWAY DAIRY F	BEALETON	22712	VA
52-29-0102	RAYMOND SHROCK		CATLETT	22019	VA
52-29-0103	ORANGE HILL FARM	W M HACKMAN	MARSHALL	22115	VA
52-29-0108	JOACHIM H KRUEGER	ELBE FARM	CALVERTON	22016	VA
52-29-0110	E M TRENIS JR	WINTER BROOK FARM	CATLETT	22019	VA
52-29-0113	THREE O FARM INC		CALVERTON	22016	VA
52-32-0006	J WILLARD BOWMAN		BOONES MILL	24065	VA
52-32-0008	E CLINE BRUBAKER	ROUTE 4	ROCKY MOUNT	24151	VA
52-32-0011	DENTON C FLORA	R F D 1	BOONES MILL	24065	VA
52-32-0016	NEWTON B FLORA	RFD 1	BOONES MILL	24065	VA
52-32-0017	RAYMOND SCOTT		BOONES MILL	24065	VA
52-32-0018	AK HARDY	RED VALLEY DAIRY F	BOONES MILL	24065	VA
52-32-0030	HORACE C FISHER & SON	LONG VIEW FM RFD	ROCKY MOUNT	24151	VA
52-32-0035	WILLIAM & WALTER KINGERY	ROUTE 1	ROCKY MOUNT	24151	VA
52-32-0061	JOHN H FERGUSON	R F D	WIRTZ	24184	VA
52-32-0067	HERSCHEL R FIKE	ROUTE 1	ROCKY MOUNT	24151	VA
52-32-0074	CECIL W WEBB	RFD 2	CALLAWAY	24067	VA
52-32-0080	R T MILAM	MIACRES DY FARM	ROCKY MOUNT	24151	VA
52-32-0084	BEN P MIDOLETON	HORSE PEN HILL	PENHOOK	24137	VA
52-33-0001	FORT COLLIER FARMS	BOX 440	WINCHESTER	22601	VA
52-33-0019	R Y STILES & SONS	WAVERLY FARM	CLEAR BROOK	22624	VA
52-37-0038	C MERCER GARNETT 3	ROUTE 1	RURAL RETREAT	24368	VA
52-37-6035	E J RICHARDSON	DUN RADMING FARM	GALAX	24333	VA
52-42-0004	C W SMITH & SONS INC		RUTHER GLEN	22546	VA
52-42-0005	ROBERT G SMITH		BEAVEROAM	23015	VA
52-42-0007	PEMBERTON & REDDING		OOSWELL	23047	VA
52-43-0018	CHARLES R MCKANN	DS8DRNE PIKE	RICHMOND	23231	VA
52-43-6013	CURLES NECK FARM INC	% HEINZ JAPP	RICHMOND	23231	VA
52-51-0001	J F CHASE & SON	BUNKER HILL FARM	WHITE STONE	22578	VA
52-53-0050	M T REARDON	DR W P FRAZER	HAMILTON	22068	VA
52-53-0059	HOWARD O SPRAGUE	CHESTNUT KNOLL F	PURCELLVILLE	22132	VA
52-53-0067	JOHN D ARCHBOLD	FOXLEASE FARM	UPPERVILLE	22176	VA
52-53-0075	H RALPH FIELDS	CENTER FIELD FARM	PURCELLVILLE	22132	VA
52-53-0114	C R FLETCHER		ASHBURN	22011	VA
52-53-0119	JOHN W TIBBETS		ROUND HILL	22141	VA
52-53-0122	R P JAMES		PURCELLVILLE	22132	VA
52-53-0128	EDWIN C POTTS	ROUTE 1	PURCELLVILLE	22132	VA
52-53-0142	WM H COCKERILL		PURCELLVILLE	22132	VA
52-53-0145	F M WARBURG	SNAKE HILL FARM	MIDDLEBURG	22117	VA
52-53-0153	RUMSEY LIGHT		ALOIE	22001	VA
52-53-0163	JERRY MICHAEL	228 N EDGEWOOD S	ARLINGTON	22201	VA
52-53-0185	DIGGS VALLEY FARM	A L PEARSON	HAMILTON	22068	VA
52-53-0191	S I GRANGER	SMITH FARM	PURCELLVILLE	22132	VA
52-53-0208	EDWARD R BROWN		PURCELLVILLE	22132	VA
52-53-0218	CLEVELAND SHIFFLETT		HAMILTON	22068	VA
52-53-6005	ROUND OAK FARM #1	RONALD A HOPE	PURCELLVILLE	22132	VA
52-53-6203	ROUND OAK FARM #2	RONALD A HOPE	PURCELLVILLE	22132	VA
52-54-0002	R J FISHER	BURNLEY FARM	GORDONSVILLE	22942	VA
52-54-0011	O J NORTON	ROUTE 1	GORDONSVILLE	22492	VA
52-56-0013	ROSENI FARMS INC	ATTN F S WALKER	ORANGE	22960	VA
52-56-0022	J T WILLIAMSON	CHIC A WIL	BRIGHTWOOD	22715	VA
52-56-0023	E V MILLER JR & M OVER	MT FERN FARM	ORANGE	22960	VA
52-56-0034	HARRY R JOHNSTON	RIVERSIDE FARM	LOCUST DALE	22948	VA
52-56-0040	HENRY L LANDIS	LOVELL ACRES	LOCUST DALE	22948	VA
52-56-6029	MRS JANE L HEYWARD	LANEWAY FARM	ROCHELLE	22738	VA
52-56-6037	DAVID, NEIL & GARY JON		ARODA	22709	VA
52-56-6042	DOUGLAS W FORREST	ANCHOR MERE	ROCHELLE	22738	VA
52-58-0003	PARK FOREST FARM	H G BLALOCK	BASKERVILLE	23915	VA
52-59-0001	E C ANDERSON		WAKE	23176	VA
52-60-0001	JON A ALTIZER	ROUTE 1	RINER	24149	VA
52-60-0002	W R GREER		RINER	24149	VA
52-60-6014	VIRGINIA POLYTECHNIC I		BLACKSBURG	24060	VA
52-60-6021	VPI DIVISION OF RESEAR	DAIRY SCIENCE	BLACKSBURG	24060	VA
52-60-6036	V P I DIVISION OF RESE	DIY SCIENCE CONTROL	BLACKSBURG	24060	VA
52-61-0007	RICHARD M WILLIAMS	ROUTE 3	SUFFOLK	23434	VA
52-62-0001	C H WOOD AND SONS		WINGINA	24599	VA
52-64-0023	MENNO J YODER	2500 LAND OF	CHESAPEAKE	23320	VA
52-67-0004	J W & J F HAMILTON	ROUTE 2	BURKEVILLE	23922	VA

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
52-67-0008	HILLCREST OAIRY	BOX 85	CREWE	23930	VA
52-67-0011	ELSTABLES & R C DANIEL	ROUTE 2	CREWE	23930	VA
52-67-0029	M B FARRAR		BURKEVILLE	23922	VA
52-68-0004	HOMEWOOD FARM	WALTER J WATKINS	ORANGE	22960	VA
52-68-0008	W W SANFORO	KENWOOD FARM	ORANGE	22960	VA
52-68-0011	J E TAYLOR	MEADOW FARM	ORANGE	22960	VA
52-68-0020	WYATT A WILLIAMS	YATTON FARM	ORANGE	22960	VA
52-68-0007	R F HILL JR & SON	BERRY HILL FARM	ORANGE	22960	VA
52-70-0002	E LYLE CLARK JR	CLARKOALE FARM	STUART	24171	VA
52-70-0008	CALVIN SHELOR		MEADOWS OF OAN	24120	VA
52-70-6003	IVAN W BYERS	REO LEVEL FARMS	STUART	24171	VA
52-71-0007	NORMAN NEAL & NORMAN	ROUTE 1	CHATHAM	24531	VA
52-72-0022	RR & JG COSBY	ROUTE 1 BOX 111	POWHATAN	23139	VA
52-72-0028	ROBERT HERTZLER	ROUTE 4	POWHATAN	23139	VA
52-72-0038	O R BOWLIN & SONS	RT 4 BOX 81	POWHATAN	23139	VA
52-73-0001	B C BASS & SON	ATTN CALVIN BASS	RICE	23966	VA
52-73-0002	W B BASS		RICE	23966	VA
52-73-0004	W L DICKENSON	SHADOW WOOD FARM	CULLEN	23934	VA
52-74-0001	BRANNOON PLANTATION		SPRING GROVE	23881	VA
52-74-0007	H E ALLIN AND SON	BOX 7	PRINCE GEORGE	23875	VA
52-75-0004	OLIVE M HOOKER		NOKESVILLE	22123	VA
52-75-0027	CLOVER HILL FARM	ROUTE 1 BOX 416	MANASSAS	22110	VA
52-75-0028	W M KLINE & SONS		MANASSAS	22110	VA
52-75-0040	HARRY M MILLER & SON		NOKESVILLE	22123	VA
52-76-0003	8AYVILLE FARMS INC	PO BOX 5506	VA BEACH	23455	VA
52-77-0011	L B TRIGG	ROUTE 2	RAOFORO	24141	VA
52-81-0012	F R WHIPPLE		BROWNSBURG	24415	VA
52-81-0037	J K HESLEP	ROCKY CREEK FARM	FAIRFIELD	24435	VA
52-82-0001	NELSON E ALGER		BROADWAY	22815	VA
52-82-0002	OAN J BEARO	ROUTE 2	HARRISONBURG	22801	VA
52-82-0003	SHEN-ROCK HOLSTEIN	ROUTE 1	MCGATHEYSVILLE	22840	VA
52-82-0004	S R BOWMAN II	ROUTE 2 BOX 131	HARRISONBURG	22801	VA
52-82-0010	WAMPLER & GARONER	OAIRY FARM	BRIGEWATER	22812	VA
52-82-0012	JOHN NEWTON & M S LISK	ROUTE 5	HARRISONBURG	22801	VA
52-82-0014	M L & O J MYERS	EASTVIEW FARM	HARRISONBURG	22801	VA
52-82-0015	A C WHISSEN		BROADWAY	22815	VA
52-82-0016	ROLLER JERSEY FARM	ROUTE 1	TIMBERVILLE	22853	VA
52-82-0026	O W BRUBAKER	RFO 1	OAYTON	22821	VA
52-82-0027	NORMAN R SHANK	ROUTE 4	HARRISONBURG	22801	VA
52-82-0030	JOHN L MILLER	NOVER FARMS	BRIGEWATER	22812	VA
52-82-0040	MERLIN O HARMAN	MTN BREEZE FM	HARRISONBURG	22801	VA
52-82-0057	FUNKHOUSER & BURNER	CHARLES L BURNER	MCGAHEYSVILLE	22840	VA
52-82-0064	ELOON L SHANK	ROUTE 1	MT CRAWFORD	22841	VA
52-82-0080	SHIRLEY F SMITH	ROUTE 1	WEYERS CAVE	24486	VA
52-82-0096	GORDON C ORIVER	ROUTE 2	OAYTON	22821	VA
52-82-0101	RAWLEY SHANK	ROUTE 4	HARRISONBURG	22801	VA
52-82-0105	W G BLOSE	MIOROCK OAIRY FA	PENN LAIRO	22846	VA
52-82-0115	HAROLO O MILLER	ROUTE 1	OAYTON	22821	VA
52-82-0131	OAVIO M & AAIN S ROOES	RFO	MT CRAWFORD	22841	VA
52-82-0136	EL CAROALE FARM	E J MORRIS & SONS	ELKTON	22827	VA
52-83-0001	STUART LANO & CILE CO	ATT W A STUART J	ROSEDALE	24280	VA
52-83-0006	CAMPBELL FARMS		LEBANON	24266	VA
52-83-0014	W G SMITH		ROSEDALE	24280	VA
52-85-0007	PINE HAVEN FARMS INC	WILLIAM H LOGAN	WOODSTOCK	22664	VA
52-85-0021	LONNIE EATON & SONS	ROUTE 1 BOX 205	NEW MARKET	22844	VA
52-85-0033	J A KINCAID	MT AIRY FARM	MT JACKSON	22842	VA
52-86-0009	RICHAROSON BROTHERS	ROUTE 3	MARION	24354	VA
52-86-0031	R A BOYO	ROUTE 4	MARION	24354	VA
52-87-0007	DEERPATH FARM	P O BOX 217	FRANKLIN	23851	VA
52-87-0008	W L YOUNG	ROSE VALLEY FM	FRANKLIN	23851	VA
52-88-0013	T E & ALLAN THORBURN	TAM FARMS	FREDERICKSBURG	22401	VA
52-88-0030	J C HOUCK	RT 2 BOX 53	RUTHER GLENN	22546	VA
52-92-0001	LEATHERWOOD FARM	% REG HILL	BLUEFIELD	24605	VA
52-95-0007	E C OENTON	ROUTE 4	ABINGDON	24210	VA
52-95-0012	G C JOHNSON	ROUTE 1	GLADE SPRING	24340	VA
52-95-0058	JAMES J MILLARD		MENDOTA	24270	VA
52-98-0003	L JOE CROWGEY JR	RICHOALE FARM	WYTHEVILLE	24382	VA
52-98-0004	R R CROWGEY	HAM FARM	WYTHEVILLE	24382	VA
52-98-0014	J S HUFFARD & SON	R F O	CROCKETT	24323	VA
52-98-0018	G F VAUGHT	ROUTE 2	RURAL RETREAT	24368	VA
52-98-6038	EUGENE HURST	B C UMBERGER #2	RURAL RETREAT	24368	VA
54-02-0029	BUTLER, ROBERT S.	ROUTE 3	MARTINSBURG	25401	WV
54-02-0046	BUTLER, FRED G.	ROUTE 1	INWOOD	25428	WV
54-02-0054	HORST, IRVIN	POTOMAC RIVSDE FM	HEOGESVILLE	25427	WV
54-02-0056	LINTON, C ARLINGTON	ROUTE 2 BOX 338 A	MARTINSBURG	25401	WV
54-10-9002	JONES, HERBERT E. SR.	ATT A PACE LUNDALE	OAK HILL	25901	WV
54-13-0005	WILSON, VIRGIL & BOB HO	HOMELANO FM R-2 8X	RONCEVERTE	24970	WV
54-13-0013	JACKSON, NETTIE MISS	BOX B48	LEWISBURG	24901	WV
54-13-0026	PERKINS, MASON & SONS		FRANKFORD	24938	WV
54-13-0051	FISHER, LEWIS & SONS	FISHERLEW FARMS	FRANKFORD	24938	WV
54-13-9008	ODON-LIN JERSEY FARM	BOX B48	LEWISBURG	24901	WV
54-13-9024	MONTGOMERY, GUY 8. ESTAT	MORNING SIOE FARM	RONCEVERTE	24970	WV
54-13-9033	WARNER, VANE O.	WE-R-FOUR-FARM	FRANKFORD	24936	WV
54-13-9060	MOUNTAIRE FARM INC.		WILLIAMSBURG	24991	WV
54-17-0002	ALLMAN, OAVIO L.	RO2 80X 15B HARCOF	JANE LEW	26378	WV

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
54-17-0036	HINES, CHARLES J.	RFO 1	LUMBERPORT	26386	WV
54-17-0040	ROSS, ROBERT J.	ROUTE 1	LUMBERPORT	26386	WV
54-17-9014	LAW, Z. W.		BRIEGPORT	26330	WV
54-19-0003	BANE, ROGER Z.	R F O	SUMMIT POINT	25446	WV
54-19-0042	DONLEY, SAMUEL J., JR.	R F O	SHEPHERSTOWN	25443	WV
54-19-0045	GRANTHAM BROTHERS	R F O	KEARNEYSVILLE	25430	WV
54-19-9029	WALKER, WILLIAM E.		SHENANDOAH JUNCTI	25442	WV
54-19-9069	ORILAKE FARM	R F O 2 BOX 113	CHARLESTOWN	25414	WV
54-21-0027	CRONIN, RICHARD J.	RFO 1	JANE LEW	26378	WV
54-21-9011	OAVISSON, JOHN B.	BOX 36A	JANE LEW	26378	WV
54-26-0012	YANAK, LOUIS	R O 3 BOX 199	WHEELING	26003	WV
54-26-0014	CHAPLIN, MERLE	ROUTE 2	MOUNOSVILLE	26041	WV
54-26-0080	MAIOENS BROTHERS FARM	RO2 ATT R MAIOENS	MOUNOSVILLE	26041	WV
54-27-0029	LAKIN STATE HOSPITAL FAR		LAKIN	25250	WV
54-27-0076	JARRELL AND WATTERSON	R O 1	HENDERSON	25106	WV
54-27-9030	OLOTOWN FARM INC. 1	ROUTE 1 BOX 79	POINT PLEASANT	25550	WV
54-27-9045	SOMMER, G. C.	ROUTE 1	SOUTHSIDE	25187	WV
54-27-9063	OLOTOWN FARM INC. 2	ROUTE 1 BOX 79	POINT PLEASANT	25550	WV
54-31-9024	WEST VIRGINIA UNIVERSITY	DAIRY DEPT	MORGANTOWN	26500	WV
54-32-0001	ROWAN MEMORIAL HOME		SWEET SPRINGS	24980	WV
54-32-9014	CAMPBELL, C O & VA C	R F O 2	SINKS GROVE	24976	WV
54-35-0019	LEE ANN DAIRY	R O 1	WHEELING	26001	WV
54-35-0027	WILHELM, J. W. & SON	ROUTE 4	ELM GROVE	26003	WV
54-35-0048	SAVAGE, THOMAS L.	R O 2	WEST ALEXANDER	15376	PA
54-39-0021	STEMPL, FRED AND OAVIO		AURORA	26705	WV
54-39-0041	GIBSON, JOHN C.	ROUTE 1	TERRA ALTA	26764	WV
54-42-9010	JOHNSON, DEAN	R F O 1	ELKINS	26241	WV
54-45-0001	HALSTEAD, W. E.	ROUTE 3 BOX 154	PENCE SPRINGS	24962	WV
54-46-9001	AUSTIN, NEIL O.	R O 1	GRAFTON	26354	WV
54-49-0015	PHILLIPS, BURTON R.	ROUTE 2	BUCKHANNO	26201	WV
55-00-0010	SUN RAY FARMS RAY JR	ROUTE 4	MEBANE	27302	NC
55-00-0013	TERRELL L LAMB	ROUTE 2	GRAHAM	27253	NC
55-00-0017	HOLIOAYS FARM	EARL & BILLY HOLIO	SNOW CAMP	27349	NC
55-00-0036	JONES BROTHERS DAIRY	ROUTE 2	PITTSBORO	27312	NC
55-00-0040	CHARLES M BEST	ROUTE 2	MEBANE	27302	NC
55-00-0042	LAZY MEADOWS FARM	DEENNIS M TINNIN	GRAHAM	25263	NC
55-03-0001	N C CIRCLE L	EDDIE 8 LEE RT 2	POLKTON	28135	NC
55-10-0060	8 J SHELTON	ROUTE 1	ALEXANDER	28701	NC
55-10-6004	8ILTMORE FARM OFFICE	LONG VALLEY	8ILTMORE	28803	NC
55-10-6007	8ILTMORE FARM OFFICE	LONG VALLEY	8ILTMORE	28803	NC
55-10-6009	8ILTMORE FARM OFFICE	ALTA VISTA	8ILTMORE	28803	NC
55-11-0006	BROUGHTON HOSPITAL	ATT FARM MANAGER	MORGANTON	28655	NC
55-12-0012	J R LITTLE AND SONS	ROUTE 1	MIOLANO	28107	NC
55-13-0023	NOAH HENRY CLAY	ROUTE 7 BOX 528	LENOIR	28645	NC
55-16-0024	W A SLAUGHTER	RT 1 BOX 105	BLANCH	27212	NC
55-17-0017	CHARLES L LUTZ	ROUTE 3	NEWTON	28658	NC
55-17-0019	HAROLD LUTZ & SONS	ROUTE 3 BOX 443	NEWTON	28658	NC
55-18-0001	FRANK A LIOLEY	ROUTE 1	SNOW CAMP	27349	NC
55-18-0006	LUTTERLOH & WILLIAMS	ROUTE 2	PITTSBORO	27312	NC
55-18-0021	J HORACE MANN	ROUTE 3	PITTSBORO	27312	NC
55-18-0034	LINOWAY FARMS	ROUTE 2 BOX 118	PITTSBORO	27312	NC
55-18-0041	GERALD THOMAS	RT 2	PITTSBORO	27312	NC
55-18-0051	ARTHUR WHITE	ROUTE 1 BOX 174	SILER CITY	27344	NC
55-22-0002	J C RANOLE AND SONS	ROUTE 2	KINGS MOUNTAIN	28086	NC
55-22-0004	GEORGE BLANTON JR	ROUTE 4	SHELBY	28150	NC
55-22-0014	CHARLES A BRIGES	ROUTE 5	SHELBY	28150	NC
55-22-0015	J F CORNWELL	BOX 157	LATTIMORE	28089	NC
55-22-0023	CHESALON FARMS	ROUTE 3	SHELBY	28150	NC
55-22-0024	ROY COCHRAN	ROUTE 8	SHELBY	28150	NC
55-22-0035	MAX & PAUL GRIGG	ROUTE 3	LAWNOALE	28090	NC
55-22-0043	WILBUR CABINESS	ROUTE 4	SHELBY	28150	NC
55-28-0002	HILLYN FARM H L HILL	ROUTE 8	LEXINGTON	27292	NC
55-28-0010	C E GRAHAM	8EALLGRAY FARM	LINWOOD	27299	NC
55-28-0025	O R SMITH	ROUTE 9	LEXINGTON	27292	NC
55-28-0026	SAM Z TUSSEY AND SONS	ROUTE 6	LEXINGTON	27292	NC
55-28-0032	WAYNE NIFONG	ROUTE 4	WINSTON SALEM	27107	NC
55-28-0033	T J AND ROY ARNOLD	ARNOLA FARM RT 2	LEXINGTON	27292	NC
55-28-0034	CLAY H NIFONG	ROUTE 4	WINSTON SALEM	27107	NC
55-28-0035	G J WARD DAIRY	ROUTE 2	LEXINGTON	27292	NC
55-28-0037	E R COLTRANE	C/O FARM FRESH INC	LEXINGTON	27292	NC
55-29-0009	FRED F BAHNSON JR	BOX 38	WINSTON SALEM	27108	NC
55-29-0043	ROGER GABBERT		COOLEEMEE	27014	NC
55-31-0003	CROASOALE DAIRY	R 2 CARVER ST EX	OURHAM	27705	NC
55-31-0010	QUAIL ROOST FARMS		ROUGEMONT	27572	NC
55-33-0025	J H TEOOER	M C BENTON JR	LEWISVILLE	27023	NC
55-33-0034	O T FOWLER	GRAND VIEW FARM	PFAPFTOWN	27040	NC
55-35-0003	WALDON WEAVER	ROUTE 2	BESSEMER CITY	28016	NC
55-35-0046	PAUL H ROBINSON	ROUTE 1	BESSEMER CITY	28016	NC
55-35-0049	TONY STROUPE	ROUTE 2	BESSEMER CITY	28016	NC
55-35-0051	CARROLL DAIRY	ROUTE 2	CHERRYVILLE	28021	NC
55-38-0003	OXFORD ORPHANAGE	ATTN R J OAVIS	OXFORD	27565	NC
55-38-0020	W L PEOO		CREECHMOOR	27522	NC
55-38-0026	CHARLES L HART	ROUTE 4	OXFORD	27565	NC
55-38-0034	J W UMSTEAD HOSPITAL	ATTN FARM MANAGER	BUTNER	27509	NC
55-38-0037	FRED H STEM	ROUTE 2	OXFORD	27565	NC

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
55-40-0009	WILLIAM E CUMMINGS	ROUTE 2	SUMMERFIELD	27358	NC
55-40-0019	HILLTOP LANE FARM	ROUTE 1	MCLEANSVILLE	27301	NC
55-40-0021	RALPH CUMMINGS		GUILFORD COLLEG	27410	NC
55-40-0038	BOWMAN BROS DAIRY	ROUTE 1	JULIAN	27283	NC
55-40-0045	MARIKEN FARMS #1	3302 LIBERTY RD	GREENSBORO	27406	NC
55-40-0051	R T KECK & SON	ROUTE 1	JULIAN	27283	NC
55-40-0052	C M IVEY	ROUTE BOX 410	GIBSONVILLE	27249	NC
55-40-0055	KNIGHT BROTHERS #2	ROUTE 11 BOX 862	GUILFORD COLLEG	27410	NC
55-40-0062	HOWARD JOBE	ROUTE 4 BOX 982	GREENSBORO	27406	NC
55-40-0067	RIVERSIDE DAIRY FARM	J W SOCKWELL	GIBSONVILLE	27249	NC
55-40-0082	J R ANDERSON	ROUTE 1	KERNSVILLE	27284	NC
55-40-0083	BEAVER CREEK DAIRY FAR	BOX 186	BURLINGTON	27215	NC
55-42-0005	HI-LO FARM	RTE 1	FUQUAY	27526	NC
55-43-0007	G C PALMER	ROUTE 3	CLYDE	28721	NC
55-43-0020	MT RESEARCH STATION	BROWN SWISS HERD	WAYNESVILLE	28786	NC
55-44-0013	HENRY K KEY	KEY CREST RT 1	HORSE SHOE	28742	NC
55-44-0037	SPRING HILL FARM	RT 2 BOX 214A	HORSE SHOE	28742	NC
55-44-0062	B F NESBITT	ROUTE 2	FLETCHER	28732	NC
55-47-0001	G BOEREMA	ROUTE 1	PANTEGO	27860	NC
55-48-0035	GILBERT B BELL	ROUTE 1	STATESVILLE	28677	NC
55-48-0042	R R COWLES	BOX 212	STATESVILLE	28677	NC
55-48-0054	OLDMT FARMS GRAY BROS	ROUTE 6	STATESVILLE	28677	NC
55-48-0061	BEECHER H GROSE	ROUTE 2 BOX 189B	HARMONY	28634	NC
55-48-0067	J COITE FOX	RT 4	STATESVILLE	28677	NC
55-53-0009	CASWELL CENTER	A J OLIVER	KINSTON	28501	NC
55-53-0017	8APT CHILDRENS HOME	ATTN OY SUPERVISOR	KINSTON	28501	NC
55-54-0037	WARLICK BROS	ROUTE 2	VALE	28168	NC
55-56-0025	STOUDEMIRE & BURRELL	7B GA ROAD	FRANKLIN	28734	NC
55-57-0004	J E BUCKNER	8ELMONT VIEW FARMS	FRANKLIN	28734	NC
55-57-0009	L T PONDER & SON	ROUTE 1	MARSHALL	28753	NC
55-59-0004	FRED W DOTGER JR	ROUTE 11 BOX 133	CHARLOTTE	28213	NC
55-59-0014	ERNEST COOK	ROUTE 2 BOX 336	HUNTERSVILLE	28078	NC
55-59-0019	J B STROUP	ROUTE 10	CHARLOTTE	28213	NC
55-59-0032	EO I GULLEDGE JR	RT 7 BOX 661	CHARLOTTE	28213	NC
55-59-0040	J U OAVIS	ROUTE 7 BOX 64B	CHARLOTTE	28213	NC
55-61-0009	JARRETT A THOMPSON	ROUTE 2 BOX 54	MT GILEAO	27306	NC
55-61-0010	BOBBY RAY ATKINS	RT 2	TROY	27371	NC
55-61-0012	ULAS P BAILEY JR	BOX 101	TROY	27371	NC
55-61-0015	FRANK I & ANNA H OTT	BOX 250	STAR	27356	NC
55-63-0001	C S BUNN AND SONS	GOLDLEAF FARM	SPRING HOPE	27882	NC
55-67-0001	GUERNSDEL FARM	ROUTE 2	CHAPEL HILL	27514	NC
55-67-0005	CATES BROS	ROUTE 3	HILLSBOROUGH	27278	NC
55-67-0010	DR J W BEARD	ROUTE 3	HILLSBOROUGH	27278	NC
55-67-0014	TEER BROTHERS		CHAPEL HILL	27514	NC
55-67-0015	ARROWHEAD FARM	% R NICHOLS RT 2	HILLSBOROUGH	27278	NC
55-67-0016	W G CARUTHERS JR	CEDAR GROVE FARM	HILLSBOROUGH	27278	NC
55-67-0018	WILLIAM C OORSETT		EFLAND	27243	NC
55-67-0021	HOWNOW FARM	P W SCOTT	MEBANE	27302	NC
55-67-0027	SNIPES BROS		HILLSBOROUGH	27278	NC
55-67-0035	KIRK BROTHERS	ROUTE 3	HILLSBOROUGH	27278	NC
55-67-0036	BANKS LLOYD & BROS	ROUTE 3	HILLSBOROUGH	27278	NC
55-67-0038	LASLEY BROTHERS	ROUTE 2	MEBANE	27302	NC
55-67-0054	MELVIN WHITFIELD	ROUTE 1	CHAPEL HILL	27514	NC
55-67-0068	ROBERT NUTTER	ROUTE 3	HILLSBOROUGH	27278	NC
55-67-0084	CARL WALTERS	CARLS-BETH FARM	EFLAND	27243	NC
55-70-0005	C PLAINS RESEARCH STA	% DAIRY SUPERVIS	WILLARD	28478	NC
55-70-0006	R M LEFLER	RTE 1	WILLARD	28478	NC
55-74-0007	W M WATSON	MOUNTAINVIEW OY FM	TRYON	28782	NC
55-74-0009	MR GILBERT SMOTHERS	ROUTE 1	LANORUM	29356	SC
55-75-0014	B E AND RS DAVIS	ROUTE 1	RANDLEMAN	27317	NC
55-75-0027	R L FARLOW & SON	414 ALORIOGE RD	HIGH POINT	27660	NC
55-75-0030	MEROELL FARM	ROUTE 1	LIBERTY	27298	NC
55-75-0037	L E WOOD	ROUTE 2	OENTON	27239	NC
55-75-0040	GILBERT & ROBERT DAVIS	ROUTE 1	RANOLEMAN	27317	NC
55-75-0053	WINOY HILL FARM	ROUTE 1	RANOLEMAN	27317	NC
55-75-0072	WILLIS & EDWIN BEESON	ROUTE 1	SOPHIA	27317	NC
55-78-0021	J E & D WALKER & SON	ROUTE 2	REIDSVILLE	27320	NC
55-78-0023	ROY SOUTHARD & SONS	ROUTE 2	STOKESDALE	27357	NC
55-79-0005	W S WETMORE AND SONS		WOODLEAF	27054	NC
55-79-0006	WARREN E MYERS	BOTTOM VIEW FARM	CLEVELAND	27013	NC
55-79-0013	REID HAMPTON	RT 1 BOX 26	ROCKWELL	28138	NC
55-79-0017	EO GREBLE & K JOHNSTON	KNOX FARM	CLEVELAND	27013	NC
55-79-0020	GEORGE L HOFFNER	ROUTE 1	MT ULLA	28125	NC
55-79-0029	JUSTICE J WILLIAMS	ROUTE 1 BOX 29	CLEVELAND	27013	NC
55-79-0030	BAISEL M RAPE	ROUTE 2	MT ULLA	28125	NC
55-79-0053	SAMUEL SLOOP	ROUTE 1	MT ULLA	28125	NC
55-79-0055	HIGHLAND FM	M L CAU8LE	KANNAPOLIS	28081	NC
55-79-0060	MR & MRS B N FLEMING	R F O 2	CLEVELAND	27013	NC
55-79-0070	G H POPE JR	P O BOX 5	WOODLEAF	27054	NC
55-79-0075	C NORMAN THOMAS JR	ROUTE 4	SALISBURY	28144	NC
55-80-0001	JACK G KRAUSE	FLINT WOOD FARMS	UNION MILLS	28167	NC
55-83-0017	BURLESON BROS DAIRY	ROUTE 3	ALBEMARLE	28001	NC
55-83-0021	ROBERT E LOWOER	ROUTE 1	NORWOOD	28128	NC
55-83-0035	J T MABRY & SON	ROUTE 1	NORWOOD	28128	NC
55-85-0006	DAVIS LAWRENCE	ROUTE 1	OGBSON	27017	NC

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
55-89-0004	MELVIN L OUTEN	ROUTE 7	MONROE	28110	NC
55-91-0005	J R NIPPER AND SONS	R F 0 1	RALEIGH	27609	NC
55-91-0010	ODROTHEA OIX HOSPITAL	ATTN FARM MANAGER	RALEIGH	27602	NC
55-91-0017	FRANKS & WOMBLE	ROUTE 1	APEX	27502	NC
55-91-0020	ROY E JONES AND SONS	ROUTE 3	WAKE FOREST	27587	NC
55-91-0036	J H BARKER	BOX 59	NEW HILL	27562	NC
55-91-0047	EARL H BREVOORT	ROUTE 3	WAKE FOREST	27587	NC
55-91-6004	N C STATE UNIVERSITY	231 POLK HALL	RALEIGH	27607	NC
55-91-6006	KILOAIRE FARM	ROUTE 1 BOX 700	CARY	27511	NC
55-91-6048	KILOAIRE FARM	ROUTE 1 BOX 700	CARY	27511	NC
55-95-0006	CHERRY HOSPITAL	ATTN EARL RAOFORO	GOLOSBORO	27530	NC
55-97-0001	FRED M EAGLES	FAIRFIELD FARM	WILSON	27893	NC
55-98-0031	HOBSON BROTHERS		BOONVILLE	27011	NC
56-04-0008	HENRY S GLENN	RFO 7	ANDERSON	29621	SC
56-04-0014	JOHN & EOTH KLINGER	ROUTE 1 BOX 198	LIBERTY	29657	SC
56-04-0020	JOHNSON & MARTIN	ROUTE 2 BOX 128	LIBERTY	29657	SC
56-04-0023	GREENGLOW FARM ATTN	O E QUATTLEBAUM	PENOLETON	29670	SC
56-05-0006	A E HUGGINS AND SONS	ROUTE 1	OENMARK	29042	SC
56-05-0010	EOISTO FARMS	UNIT 1	OENMARK	29042	SC
56-05-0011	EOISTO FARMS	UNIT 2	OENMARK	29042	SC
56-05-0012	EOISTO FARMS	UNIT 3	OENMARK	29042	SC
56-06-0004	A P BLACK	P O BOX 164	BARNWELL	29812	SC
56-08-0016	GIPPY PLANTATION	BOX 45B	MONCK'S CORNER	29461	SC
56-12-0019	HAZELWOOD FARM	ROUTE 1 BOX 79	BLACKSTOCK	29014	SC
56-15-0006	CHEROKEE FARMS-DAIRY O	P O BOX 768	WALTERBORO	29488	SC
56-16-0001	MILTON H ANDERSON JR	R F 0 4	TIMMONSVILLE	29161	SC
56-16-0018	GREEN ACRE FARM INC	LEO PRIVETTE	OARLINGTON	29532	SC
56-18-0006	TUPPERWAY FARM	ROUTE 1	SUMMERVILLE	29483	SC
56-19-0006	J M DORN JR	ROUTE 3 BOX 90	EDGEFIELD	29824	SC
56-19-0010	W O HERLONG AND SON	ROUTE 1 BOX 119	JOHNSTON	29832	SC
56-21-0012	R H GOODWIN AND SON	ROUTE 1	COWARO	29530	SC
56-23-0002	BLAKELY DAIRY FARM	ATT R W BLAKELY	PIEDMONT	29673	SC
56-23-0010	MAURICE B HENSON	BROAD MAR FARMS	GREER	29651	SC
56-24-0010	E P GULLEDGE SR	ROUTE 2	CALLISON	29820	SC
56-25-0018	SEOOHR FARM	ATT BRITT RHODES	ESTILL	29918	SC
56-27-0012	GREGORIE NECK PLANT	ATTN PAUL FREEMA	COOSAWHATCHIE	29912	SC
56-30-0003	O E BROWN & FAMILY	ROUTE 2	LAURENS	29360	SC
56-30-0028	THORNWELL ORPHANAGE	LUSH ACRES FARM	CLINTON	29325	SC
56-30-0038	WHITTEN VILLAGE DAIRY		CLINTON	29325	SC
56-31-0004	EO & BASKIN AND SON	BOX 503	BISHOPVILLE	29010	SC
56-31-0008	FRANK M FLOWERS JERSEY	ROUTE 1 BOX 83	OSWEGO	29121	SC
56-31-0015	A L MCCASKILL JR	ROUTE 4	BISHOPVILLE	29010	SC
56-32-0008	GOLDEN GLOW DAIRY	CAUGHMAN BROS	LEXINGTON	29072	SC
56-34-0018	OR C R HINSON	RT 1 BOX 269	BENNETTSVILLE	29512	SC
56-34-0020	J P HOOGES		BENNETTSVILLE	29512	SC
56-34-0028	GOROON W NEWTON		TATUM	29594	SC
56-36-0001	HENRY ANDERSON	ROUTE 3	NEWBERRY	29108	SC
56-36-0003	BOWERS BROS	ATT GUY BOWERS	NEWBERRY	29108	SC
56-36-0011	W O CROMER AND SON	ROUTE 1	NEWBERRY	29108	SC
56-36-0017	MYRTLEDALE FARM	ROUTE 4 BOX 105	NEWBERRY	29108	SC
56-36-0018	O O & J F LOVELACE	ROUTE 3	PROSPERITY	29127	SC
56-36-0023	HENRY L PARR	ROUTE 3	NEWBERRY	29108	SC
56-36-0024	W W PARR	ROUTE 4	NEWBERRY	29108	SC
56-36-0026	SAND HILL FARM ATTN	W W LONGSHORE	SILVERSTREET	29145	SC
56-36-0028	W E SENN	ROUTE 3	NEWBERRY	29108	SC
56-36-0029	JOHN E SHEALY	ROUTE 3	NEWBERRY	29108	SC
56-36-0030	C T SMITH		KINAROS	29355	SC
56-36-0035	C M SATTERWHITE	RFO #3	NEWBERRY	29108	SC
56-36-0038	OAVIO WALOROP	ROUTE 1	SILVERSTREET	29145	SC
56-36-0040	W CHARLES MCGINNIS		KINAROS	29355	SC
56-37-0007	CLEMSON UNIVERSITY GUR	DAIRY DEPARTMENT	CLEMSON	29631	SC
56-38-0003	H T CORBETT	ROUTE 1	SPRINGFIELD	29146	SC
56-38-0007	R E GARDEN	ROUTE 3	ORANGEBURG	29115	SC
56-38-0008	LITTLE RIVER FARMS NOI	ROUTE 1	NORWAY	29113	SC
56-38-0027	S W GRAMLING		BOWMAN	29018	SC
56-38-0028	F W MACK	ROUTE 1 BOX 87	NORTH	29112	SC
56-38-0036	T W GRAY		COROOVA	29039	SC
56-38-0039	HEYWARD L SHULER	ROUTE 2	CAMERON	29030	SC
56-38-0050	J B SHULER		HOLLY HILL	29059	SC
56-38-0056	COBURG DAIRY FARM	ATTN T R HAWKINS	COPE	29038	SC
56-38-0072	WAYNOR FARMS	ATTN J WILLIAMS	NORWAY	29113	SC
56-39-0020	CLEMSON UNIVERSITY HOL	DAIRY DEPARTMENT	CLEMSON	29631	SC
56-39-0021	CLEMSON UNIVERSITY JER	DAIRY DEPARTMENT	CLEMSON	29631	SC
56-41-0005	GEORGE COLEMAN	ROUTE 5	SALUDA	29138	SC
56-41-0006	G MELLWOOD COLEMAN	R F 0 5	SALUDA	29138	SC
56-41-0010	HEYWARD HIPP	ROUTE 1	SALUDA	29138	SC
56-41-0011	BDBBY W HIPP	ROUTE 1	SALUDA	29138	SC
56-41-0012	R F HIPP	ROUTE 4	SALUDA	29138	SC
56-41-0015	GEORGE W FOWLER	ROUTE 1	SALUDA	29138	SC
56-41-0017	ROY LONG	ROUTE 5	SALUDA	29138	SC
56-41-0018	W D LONG	ROUTE 5	SALUDA	29138	SC
56-41-0020	FRED T MILLS	ROUTE 1	SALUDA	29138	SC
56-41-0023	MITCHELL BROS	ROUTE 5	SALUDA	29138	SC
56-41-0025	NICHOLS & LONGSHORE	ATTN H H LONGSHORE	SALUDA	29138	SC
56-41-0026	ETHON J Z OSWALO	ROUTE 4	SALUDA	29138	SC

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
56-41-0027	T C RANKIN	ROUTE 5	SALUOA	29138	SC
56-41-0028	FRAZIER RILEY	ROUTE 1	SALUOA	29138	SC
56-41-0036	WHEELERS JERSEY FARM	ROUTE 2 80X 33	SALUOA	29139	SC
56-41-0042	HARVEY GIBSON	ROUTE 1	SALUOA	29138	SC
56-42-0010	RONALO GASTON	ROUTE 3	WOODRUFF	29388	SC
56-42-0012	8EN GRAMLING REG JER	80X 26	GRAMLING	29348	SC
56-42-0037	CROSS ARROWS FARM	ROUTE 1	ENOREE	29335	SC
56-43-0003	8ENOALE FARM	ROUTE 5 80X 144	SUMTER	29150	SC
56-43-0008	WILLIAM A BUTLER	STAR ROUTE	LYNCHBURG	29080	SC
56-43-0012	C J GULLEGE	80X 45	WEOGEFIELO	29168	SC
56-43-0015	T J KIRVEN & SONS	ROUTE 5 80X 77	SUMTER	29150	SC
56-43-0025	S C OEP OF CORRECTIONS	UNIT 8 OAIRY	BOYKIN	29019	SC
56-43-0026	S C OEP OF CORRECTIONS	UNIT C OAIRY	BOYKIN	29019	SC
56-44-0007	W H CROCKER	ROUTE 3	CARLISLE	29031	SC
56-46-0022	CLOVER SPRING FARM	ROUTE 3	CLOVER	29710	SC
56-46-0031	J P ROGERS	ROUTE 5	ROCK HILL	29730	SC
56-46-0036	8088Y K STURGIS	ROUTE 1 80X 3	ROCK HILL	29730	SC
57-02-0002	GEORGE 8 TATUM	ROUTE 3	NICHOLLS	31554	GA
57-04-0503	AUBREY CORP	ATT W A NEEL	WHITE	30184	GA
57-06-0011	A JOE TIOWELL JR	ROUTE 1	LIZELLA	31052	GA
57-06-0015	B F NEWBERRY & SON		LIZELLA	31052	GA
57-10-0009	H M BOYCE & SONS	ROUTE 2	BLTYHE	30805	GA
57-10-0015	PINELAND OAIRY	ROUTE 1 80X 179	WAYNESBORO	30830	GA
57-10-0504	WILLOW VALLEY FARM	BOX 135	JACKSON	30233	GA
57-15-0001	FRANK 8ANOY		TRION	30753	GA
57-16-0002	WILLIS L JONES	ROUTE 3	ATHENS	30601	GA
57-16-0004	MILTON C SOUTHWELL	ROUTE 1	ATHENS	30601	GA
57-16-0007	H E WOOD		WINTERVILLE	30683	GA
57-16-0008	UNIV OF GA OAIRY FARM	OR CARL MCLIFTON	ATHENS	30601	GA
57-16-0009	UNIV OF GA OAIRY FARM	OR CARL MC CLIFTON	ATHENS	30601	GA
57-21-0501	OR J H ARNOLO	80X 393	NEWMAN	30263	GA
57-21-0509	H G OENNIS	ROUTE 3 80X 328	NEWMAN	30263	GA
57-21-0513	PAT OTT	FELECITE JERSEY FA	NEWMAN	30263	GA
57-25-0014	R L MATHIS CERT OAIRY	ATT JACK MATHIS	OECATUR	30032	GA
57-27-0001	TIOWELL FARMS INC	80X 595	DOUGLASVILLE	30134	GA
57-31-0502	JAMES F OeAL OIRECTOR	AGR & FOR RESOURCE	MT BERRY	30149	GA
57-36-0509	W 8 MERRITT	R F 0	GREENSBORO	30642	GA
57-41-0501	GEORGE E HATCHER	BOX 54	MACON	31202	GA
57-45-0003	E S GAY & SONS	RFO 3 80X 294	MILLEN	30442	GA
57-49-0001	PARKERS GUERNSEY FARM		DOUBLIN	31021	GA
57-49-0502	FRANK BUTCHER	RT 2	LEESBURG	31763	GA
57-53-0504	RUFUS L YOOER		MONTEZUMA	31063	GA
57-53-0508	LLOYD SWARTZENTRUBER	RFO 1	MONTEZUMA	31063	GA
57-53-0512	FLOYD E YOOER	R F 0 1	MONTEZUMA	31063	GA
57-53-0513	CRIST W YOOER	ROUTE 2	MONTEZUMA	31063	GA
57-53-0515	E W YOOER & SON	ROUTE 1	MONTEZUMA	31063	GA
57-53-0518	HENRY W OVERHOLT	R F 0 1	MARSHALLVILLE	31057	GA
57-53-0520	ENOS SWARTZENTRUBER	ROUTE 1	MONTEZUMA	31063	GA
57-53-0521	MARK O 8RENNEMAN	R F 0 1	MONTEZUMA	31063	GA
57-53-0522	ELI M WEAVER	ROUTE 2	MONTEZUMA	31063	GA
57-53-0525	CLAUDE E YOOER		MONTEZUMA	31063	GA
57-53-0526	ELI L KAUFFMAN	ROUTE 1 80X 828	MONTEZUMA	31063	GA
57-53-0531	MENNO L YOOER	RFO 1 80X 85	MONTEZUMA	31063	GA
57-55-0001	HENRY J 8ARNES	ROUTE 1	GREENVILLE	30222	GA
57-56-0506	WESTHAVEN FARM	ROUTE 1 80X 51	CAMILLA	31730	GA
57-56-0507	J T THORNTON	ROUTE 2	CAMILLA	31730	GA
57-57-0018	SELOOM REST FARM	RAYMOND BAGGARLY	CULLOEN	31016	GA
57-57-0026	JAMES E & MARION PACE	ROUTE 2	FORSYTH	31029	GA
57-59-0001	BENNETT & THOMAS	P O 80X 548	MAOISON	30650	GA
57-59-0004	JOHN C MAO00X	ROUTE 3	MAOISON	30650	GA
57-59-0014	L T CALLAWAY	ROUTE 4	MAOISON	30650	GA
57-59-0019	HOYT M HOWARD	RT 1	NEWBORN	30262	GA
57-59-0030	J N LECKIE & SON		SHAOYOALE	31085	GA
57-64-0003	CLEARBRANCH FARM	R F 0 1	FT VALLEY	31030	GA
57-66-0016	JAMES I CASEY	ROUTE 3	CEOARTOWN	30125	GA
57-73-0002	R W CHEATHAM	728 E COLLEGE ST	GRIFFIN	30223	GA
57-73-0019	O A ROBINSON 111 OAIRY	ROUTE 3 80X 70	GRIFFIN	30223	GA
57-74-0501	JEFF CO OAIRY	BOX 237	RICHLAND	31825	GA
57-76-0505	GEORGIA STATE PRISON	ATTN ALLEN ROGER	REIOSVILLE	30453	GA
57-80-0001	H P RUSSELL JR	ROUTE 1	BOSTON	31626	GA
57-81-0001	COASTAL PLAIN EXP STA	OAIRY OEPARTMENT	TIFTON	31794	GA
57-83-0506	OAN KEITH	ROUTE 2	HOGANSVILLE	30230	GA
57-87-0006	CARL MARTIN	ROUTE 1	LA FAYETTE	30728	GA
57-87-0022	ARCAOIA FARM # 2	ROUTE 1	KENSINGTON	30727	GA
57-88-0002	8REEOLOVES OAIRY	ROUTE 3	MONROE	30655	GA
57-94-0003	J L VANOIVER & SONS	ROUTE 1	TIGNALL	30668	GA
58-01-0042	OOLE STEPHENS		GRAND RIGGE	32442	FL
58-01-0054	PAUL MERRITT	SHAMROCK OAIRY	GRACEVILLE	32440	FL
58-03-0001	OINSMORE OAIRY CO INC	MARMARAOA FARM	JACKSONVILLE	32218	FL
58-03-0022	OINSMORE OAIRY CO INC	6501 DUNNS AVE	JACKSONVILLE	32218	FL
58-03-0042	WIL-WIN FARMS INC	ORANGEDALE RT 80X	GREEN COVE SPRG	32043	FL
58-03-9030	FLA AGR EXP STATION	OEP T OAIRY SCIENCE	GAINESVILLE	32601	FL
58-04-0029	SUMMER FIELO JERSEYS	RT 1 80X 492	SUMMERFIELO	32691	FL
58-04-0034	BO-MAR OAIRY	BOX 315	COLEMAN	33521	FL
58-05-0004	T G LEE FARMS INC # 1	5705 BEARHEAD ROAD	ORLANDO	32809	FL

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
58-05-0006	LAY LAINE GUERNSEY FM	BOX 146	ASTATULA	32705	FL
58-05-0008	JUOGE JERSEYS	BOX 5	KISSIMMEE	32741	FL
58-05-0010	FAIRGLAOS JERSEY OY		GENEVA	32732	FL
58-05-0034	BLACKWELL JERSEY	ROUTE 1 BOX 125	KISSIMMEE	32741	FL
58-05-0037	OAKLAWN OAIRY INC # 2	RT 1 BOX 351	SORRENTO	32776	FL
58-06-0028	JOHN A PEACHEY	ROUTE 3 BOX 102	SARASOTA	33580	FL
58-06-0035	LESTER YANCEY#2	MYAKKA STAR RT	BRAOENTON	33505	FL
58-07-0006	WALTER SCHMIO	P O BOX 182	TALLEVAST	33588	FL
58-08-0005	PENNWOOD FARMS INC	P O BOX 362 JERS	PALM CITY	33490	FL
58-08-0041	PENNWOOD FARMS INC	P O BOX 362 HOL	PALM CITY	33490	FL
58-08-0045	WOLFF BROS OAIRY	ROUTE 1 BOX 22 K	OKEECHOBEE	33472	FL
58-08-0061	ROBERT K BUTLER	BUTLERS OAIRY	OKEECHOBEE	33472	FL
58-09-0022	BASSETTS OAIRY FARM HO	PO BOX 188	MONTICELLO	32344	FL
58-09-0024	ROBERT F OAVIS HOL	ROUTE 2	BOSTON	31626	GA
58-09-0027	BASSETTS OAIRY FARM BR	P O BOX 188	MONTICELLO	32244	FL
58-12-0007	W J CASEY GUERNSEY	ROUTE 1 BOX 399	CLEARWATER	33516	FL
58-12-0017	JOE HONOUR GUERUNIT	RT 5 BOX 1166	BROOKSVILLE	33512	FL
61-01-0043	BUCKLEY & RUCKER	WM RUCKER	LAWRENCEBURG	40342	KY
61-02-0032	C E GIBSON	ROUTE 5	PARIS	40361	KY
61-02-0048	OON JACOBSON	RT 3 HUFFMILL RO	LEXINGTON	40505	KY
61-03-0001	EASTERN KY STATE COLLE		RICHMONO	40475	KY
61-03-0008	BEREA COLLEGE OAIRY	BOX 2341 CPO	BEREA	40403	KY
61-06-0002	MURRAY STATE COLLEGE	OAIRY FARM	MURRAY	42071	KY
61-06-0004	BLALOCK AND WHITE	ROUTE 5	MURRAY	42071	KY
61-06-0009	WILL EO HENOON	ROUTE 5	MURRAY	42071	KY
61-06-0019	R L USREY	ROUTE 2	KIRKSEY	42054	KY
61-06-0025	CHARLES B STARK	ROUTE 2	MURRAY	42071	KY
61-06-0029	PERRY HARRISON	ROUTE 2	MURRAY	42071	KY
61-06-0032	W O MCCUITION	ROUTE 5	MURRAY	42071	KY
61-06-0037	JIM STAHLER	ROUTE 5	MURRAY	42071	KY
61-06-0041	CARVES PASCHALL	ROUTE 2	HAZEL	42049	KY
61-07-0009	S A PORTER	CLYOE GOOO	SANDERS	41083	KY
61-08-0007	WOODS GOVER & SON	% JAMES T GOVER	RT 2 STANFORD	40484	KY
61-08-0010	W O PAYNE	BOX 281	OANVILLE	40422	KY
61-08-0050	TATE AND SPOONAMORE	R F O 2	STANFORD	40484	KY
61-09-0006	NELSON NEWELL	ROUTE 2	MAYSVILLE	41056	KY
61-09-0016	W M KINDER & SON	ROUTE 2	MAYS LICK	41055	KY
61-09-0023	MAE R AND W R SMOOT	ROUTE 1	AUGUSTA	41002	KY
61-09-0029	GERMANN & FAMILY	ROUTE 1	MAYSVILLE	41056	KY
61-09-0034	CHARLES ALLISON & SON	ROUTE 1	MAYSLICK	41055	KY
61-10-0002	HAROLO C HEOGER		SHERMAN	41084	KY
61-10-0015	HAROLO R CONNLEY	ROUTE 3	WILLIAMSTOWN	41097	KY
61-10-0035	ELMO HEOGES	ROUTE 2	ORY RIOGE	41035	KY
61-12-0006	A O OAVIS KY PENITENT	OEPT CORRECTION	FRANKFORT	40601	KY
61-12-0007	A O OAVIS KY REFORMAT	OEPT CORRECTION	FRANKFORT	40601	KY
61-14-0015	WILKINS & ROBERSON	GREEN OOWNS INC	RT 1 OAKVILLE	42263	KY
61-14-0019	RYAN BROS	ROUTE 5	RUSSELLVILLE	42276	KY
61-14-0027	JAMES W OAVENPORT JR	AOAIRVILLE SCHOC	AOAIRVILLE	42202	KY
61-15-0010	W B BURLETTE & SON	ROUTE 3	LEBANON	40033	KY
61-15-0038	GENE LANHAM	RFO	GRAVEL-SWITCH	40328	KY
61-15-0042	ST MARYS COLLEGE		ST MARYS	40033	KY
61-16-0022	BLANKENBEKER FARMS	7414 U S 42	FLORENCE	41042	KY
61-18-0029	BRAINARO PALMER BALL	B207 OLO WESTPORT	LOUISVILLE	40222	KY
61-18-0039	ORION BROADCASTING CO	WAVE FARM	PROSPECT	40059	KY
61-19-0001	JOHN A MOSER	ROUTE 1 BOX 560	LOUISVILLE	40222	KY
61-19-0015	ERNEST L HARRIS	ROUTE 1 BOX 188	PROSPECT	40059	KY
61-20-0002	JESS WAINSCOTT	ROUTE 3	OWENTON	40359	KY
61-20-0018	JAMES SHARON & SON	ROUTE 1	BEECHWOOD	40359	KY
61-20-0028	PARK PERKINS	RFO 4	OWENTON	40359	KY
61-21-0024	JAMES A CHILES & SONS	ROUTE 5	FALMOUTH	41040	KY
61-24-0010	R O SHIPMAN	ROUTE 2	SHELBYVILLE	40065	KY
61-24-0018	J L COOTS AND SON	ROUTE 1	FINCHVILLE	40022	KY
61-24-0020	J E NORRENBROCK	ROUTE 1	FINCHVILLE	40022	KY
61-24-0066	BRICE & LUCILLE BROWN	ROUTE 2	SMITHFIELD	40068	KY
61-24-0067	RALPH PEED	ROUTE 2	SHELBYVILLE	40065	KY
61-24-0074	ROBERT & OAVIO CONNOR	ROUTE 1	FINCHVILLE	40022	KY
61-24-0078	JOHN E KALMEY	ROUTE 5	SHELBYVILLE	40065	KY
61-24-0097	HENRY L GRAFF JR	ROUTE 1	FINCHVILLE	40022	KY
61-24-0129	JAMES COX	ROUTE 3	SHELBYVILLE	40065	KY
61-24-0144	ROBERT J EHRLER	EHRLER-FARMS	SHELBYVILLE	40065	KY
61-25-0003	OR L F BEASLEY	RIVERSIOE FARM	FRANKLIN	42134	KY
61-25-0005	J O AND B B SNIOR	ROUTE 3	FRANKLIN	42134	KY
61-25-0006	RAY CUMMINGS	ROUTE 3	FRANKLIN	42134	KY
61-26-0022	W H & H A HAROIN	ROUTE 1	TAYLORSVILLE	40071	KY
61-26-0036	BARTON & TOMPSON	GLEN BARTON	MT EOEN	40046	KY
61-27-0006	MOSS BROS	ROUTE 5	CAMPBELLVILLE	42718	KY
61-27-0021	WALTER AND LEWIS WAGON	ROUTE 1	CAMPBELLVILLE	42718	KY
61-27-0025	R W SALMON & SON	CAMSEL FARM	CAMPBELLVILLE	42718	KY
61-28-0003	WESTERN KY UNIV OAIRY	RT 4 NASHVILLE RO	BOWLING GREEN	42101	KY
61-28-0020	ELVIS OONALOSON	ROUTE 6	BOWLING GREEN	42101	KY
61-28-0041	BORDERS FARM	% JERRY BOROERS MG	BOWLING GREEN	42101	KY
61-29-0039	WILLIE & BILLY RUSSELL	R F O 1	SPRINGFIELD	40069	KY
61-30-0003	WILLIAM KUEGEL	ROUTE 3	OWENSBORO	42301	KY
61-30-0004	CLAUDIE NEWMAN	ROUTE 1	PHILPOT	42366	KY
61-30-0008	JOHN KUEGEL	ROUTE 5	OWENSBORO	42301	KY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
61-30-0014	EVANS M TRUITT	ROUTE 7	OWENS80RO	42301	KY
61-30-0017	W OAK SPRING FARM	% JES E8ELHAR	MORGANFIELD	42437	KY
61-30-0022	WILLIAM E JONES	ROUTE 1	PHILPOT	42366	KY
61-30-0023	LUCKETTS DAIRY	RT 2	UTICA	42376	KY
61-30-0026	MARION SPARKS	ROUTE 2	OWENS80RO	42301	KY
61-30-0029	JACKIE SPARKS	ROUTE 2	OWENS80RO	42301	KY
61-30-0032	JOSEPH W ALLEN	ROUTE 1	SEBREE	42455	KY
61-31-0001	H H BARLOW JR	ROUTE 2	CAVE CITY	42127	KY
61-31-0057	WM S TERRY 111	ROUTE 1	CAVE CITY	42127	KY
61-31-0060	J T MATTHEWS	RT 2	CAVE CITY	42127	KY
61-32-0509	TERRY HOGAN & SON	ROUTE 1	HAROVVILLE	42746	KY
61-33-0012	GROVER GILPIN	218 FAIRGROUNDS	COLUMBIA	42728	KY
61-33-0015	PAUL JONES		COLUMBIA	42728	KY
61-34-0013	WILSON & HASFURORER	RILEY HASFURORER	EMINENCE	40019	KY
61-34-0027	GEO JONISCHKIES	RT 1	SULPHUR	40070	KY
61-34-0042	ARTHUR ROTHENBURGER	ROUTE 1 80X 54	EMINENCE	40019	KY
61-34-0044	FRANK MCKEE & R R CHIL	ROUTE 2	EMINENCE	40019	KY
61-34-0056	COLEMAN ROBISON	MARSHALL CLU88	PLEASUREVILLE	40057	KY
61-38-0001	THURMAN PHARIS	ROUTE 3	CLINTON	42031	KY
61-38-0002	JAMES T ROBERTS	ROUTE 1	CLINTON	42031	KY
61-38-0008	8088Y SLAYDEN	ROUTE 1	CLINTON	42031	KY
61-38-0011	BUGG BROTHERS	WATER STREET	CLINTON	42031	KY
61-40-0017	ABBEY OF GETHSEMANI		TRAPPIST	40073	KY
61-41-0037	C L HIX & SONS	ROUTE 4	SCOTTSVILLE	42164	KY
61-41-0039	MORGAN BROTHERS	R R 7	SCOTTSVILLE	42164	KY
61-48-0002	MAPLE CREST FARM	ROUTE 1 80X 617	MANCHESTER	40962	KY
61-52-0505	TIM BARNES	ROUTE 3	BEAVER DAM	42320	KY
61-54-0008	LENARD EZELL	ROUTE 1	GRACEY	42232	KY
61-55-0023	LOVELLA HOWARD		SHARON GROVE	42280	KY
61-59-0001	GEORGE OYE	ROUTE 1	FLEMINGSBURG	41041	KY
61-59-0011	8088Y HINTON	ROUTE 1	HILLS80RO	41049	KY
61-60-0034	A J KEIGHTLEY	ROUTE 5	HARRODSBURG	40330	KY
61-60-0046	HERBERT & BILL RANSOEL	ROUTE 1	SALVISA	40372	KY
61-60-0084	C D RANDELL JR	ROUTE 1	SALVISA	40372	KY
61-63-0057	ROBERT W THOMPSON JR	ROUTE 1 W	ILMORE	40390	KY
61-72-0022	MRS E C GAMBLE	HAPPY VALLEY RT	HARRODSBURG	40330	KY
61-72-0068	EDWIN KUBALE AND SONS	LANCASTER RO	DANVILLE	40422	KY
61-73-0065	ART'S DAIRY FARM	JAMES & WAYNE ART	PAINT LICK	40461	KY
61-76-0027	8088Y POOL	ROUTE 2	LACENTER	42056	KY
61-76-0034	WILLIAM COOPER	ROUTE 3	KEVIL	42053	KY
61-77-0004	PILOT KNO8 FARM		CENTER	42214	KY
61-99-0001	U K HOLSTEIN	GEORGETOWN RO	LEXINGTON	40505	KY
61-99-0003	UK JER COLDSTREAM HERO	FRANK BUTTON	LEXINGTON	40505	KY
63-01-0010	OR CYRUS KENOALL	ROUTE 1	HENDERSONVILLE	37075	TN
63-01-0016	HAROING MEACHAM	ROUTE 6	FRANKLIN	37064	TN
63-01-0032	TOM LATIMER	ROUTE 2	HENDERSONVILLE	37075	TN
63-03-0007	8088Y MCCAMPBELL	RTE 5	KNOXVILLE	37914	TN
63-03-0014	C L & JAMES MESSLER	ROUTE 2	GREENBACK	37742	TN
63-03-0021	UNIV OF TENN NO 2	DAIRY DEPARTMENT	KNOXVILLE	37916	TN
63-03-1017	E H BUTLER & SONS	ROUTE 17	KNOXVILLE	37921	TN
63-03-1024	FOREST HILL FARM	PLEASANT RIDGE R	KNOXVILLE 21	37912	TN
63-03-1029	JOHN R STOFFELL	ROUTE 12	KNOXVILLE	37918	TN
63-03-2011	MAX EVERETT P SONS	ROUTE 3	MARYVILLE	37801	TN
63-03-2022	RUFUS MIKELS JR	ROUTE 16	KNOXVILLE	37920	TN
63-05-0008	P J SHIVELL	P O 80X 89	KINGSPORT	37660	TN
63-05-0010	W C FLEENOR		BLUFF CITY	37618	TN
63-05-0016	PINEMONT FARMS INC		BRISTOL	24201	VA
63-05-0027	BITTERSWEET KNOLLS	RTE 1	BLUFF CITY	37618	TN
63-05-0035	H O ROGERS	ROUTE 4	BLOUNTVILLE	37617	TN
63-06-0002	H G RANGE	RT 1	LIMESTONE	37681	TN
63-06-1130	C O WILLIAMS JR	ROUTE 1	TELFORD	37690	TN
63-07-0006	JAMES TOMLINSON	ROUTE 4	JACKSON	38301	TN
63-07-0007	WEST TENN EXP STATION		JACKSON	38301	TN
63-07-0009	H T HOPPER AND SON	ROUTE 2	OENMARK	38022	TN
63-07-0016	HENDERSON JERSEY FARM	ROUTE 1	MEQON	38356	TN
63-08-0011	HOYT OWEN	ROUTE 7	MURFREESBORO	37130	TN
63-08-0015	GILMAC FARM	ROUTE 2	MURFREESBORO	37130	TN
63-08-0020	S D LESTER JR	ROUTE 1	MURFREESBORO	37130	TN
63-08-0033	JACK HOLBROOK	RT 3	MURFREESBORO	37130	TN
63-08-0060	CHARLES G GOROON	ROUTE 1	CHRISTIANA	37037	TN
63-09-0005	CLEBURNE JERSEY FARM	80X 68	SPRING HILL	37174	TN
63-09-0007	MIDDLE TENN EXP STA	JOE HIGH	SPRING HILL	37174	TN
63-09-0010	M C ALEXANDER	ROUTE 1	WILLIAMSPORT	38487	TN
63-11-0003	GEORGE E SISKE & SON	ROUTE 3	CLARKSVILLE	37040	TN
63-11-0004	HENRY B WILLIAMS	ROUTE 4	CLARKSVILLE	37040	TN
63-12-0016	J E WAODELL	ROUTE 4	GREENEVILLE	37743	TN
63-12-0017	JOHN W MASSENGILL NO 2	ROUTE 3	CHUCKEY	37641	TN
63-12-0054	JOHN PAUL NEAS JR	ROUTE 4	GREENEVILLE	37743	TN
63-13-0008	M I REVELLE	ROUTE 3	HALLS	38040	TN
63-13-0010	MALCOLM BELL AND SON	ROUTE 2	FRIENOSHIP	38034	TN
63-13-0014	J S PUTMAN & SON	ROUTE 2	FRIENDSHIP	38034	TN
63-13-0016	WILLIAM W MCLEAN	ROUTE 1	NEWBERN	38059	TN
63-13-0019	ROBERT BELL	ROUTE 2	FRIENOSHIP	38034	TN
63-13-0024	BEN P HAZLEWOOD	ROUTE 3	HUMBOLDT	38369	TN
63-15-0005	ROBERT D READ	ROUTE 1	CROSS PLAINS	37049	TN

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
63-17-0002	BURNETTE & HIXSON	MRS C BURNETTE R	FULTON	42041	KY
63-17-0008	FRED GRASFEEER	ROUTE 4	UNION CITY	38261	TN
63-17-0017	BURNETT JERSEY FARM	ROUTE 4	FULTON	42021	KY
63-19-0011	MILTON HUMBERO	ROUTE 4	CLEVELAND	37311	TN
63-19-0031	JOE HARRIS	ROUTE 2	CLEVELAND	37311	TN
63-22-0003	JDE TURBERVILLE	ROUTE 4	ORESDEN	38225	TN
63-22-0006	UNIVERSITY OF TENN	MARTIN BRANCH RD	MARTIN	38237	TN
63-22-0017	HAROLD LLOYD BELL	ROUTE 3	ORESDEN	38225	TN
63-23-0004	BARHAM BRDS	% ALLEN BARHAM	CALHOUN	37309	TN
63-23-0014	MAYFIELD FARMS		ATHENS	37303	TN
63-23-0015	HOLLY HILL FARM		RICEVILLE	37370	TN
63-23-0016	LEE HOUSLEY	RT 1	RICEVILLE	37370	TN
63-23-0018	MRS J R WATTENBARGER	ROUTE 1	OECAUR	37322	TN
63-23-0020	JACK M THOMAS	MEADWATER FARM	RICEVILLE	37370	TN
63-23-0024	HDMESTEAD FARMS	% C D BROWER	SWEETWATER	37874	TN
63-23-0034	MAYFIELD FARMS	HERO RD 2	ATHENS	37303	TN
63-24-0008	LEWIS ROBINSON	ROUTE 1	CORNSVILLE	37047	TN
63-25-0001	LEDNARO BEASLEY	ROUTE 3	CHAPEL HILL	37034	TN
63-25-0005	VIRGIL BEASLEY		CHAPEL HILL	37034	TN
63-27-0004	ROBERT HALE JR	BENTVIEW FARM	RUSSELLVILLE	37860	TN
63-27-0005	VERNON HALE	SOLITUDE FARM RT	RUSSELLVILLE	37860	TN
63-28-0001	JAMES CLAYTON	ROUTE 2	FAYETTEVILLE	37334	TN
63-32-0002	ROBERT S MCCULLOUGH	ROUTE 3	LEWISBURG	37091	TN
63-32-0003	H T HICKERSON		CORNSVILLE	37047	TN
63-32-0013	J T TAYLOR	ROUTE 2	CHAPEL HILL	37034	TN
63-32-0027	TENN UNIV EXP STA	ROUTE 3	LEWISBURG	37091	TN
63-32-1111	RAYMOND G TROTTER	ROUTE 2	CHAPEL HILL	37034	TN
63-34-0004	TENNESSEE TECH # 2	ATT PARHAM OY HS	COOKEVILLE	38501	TN
63-34-0010	OIBRELL 80YO	ROUTE 5	COOKEVILLE	38501	TN
63-35-0001	PROSPECT LANE JER FARM	P O BOX 317	MILAN	38358	TN
63-37-0011	CIRCLE Z FARM	% EO ZIMMERMAN	WINCHESTER	37398	TN
63-37-0033	PARKER ANDERSON	AKA DAIRY	SELVIDERE	37306	TN
63-40-1101	RDY WHITE	ROUTE 4	LOUDON	37774	TN
63-42-0001	FORT PILLON STATE FARM		FORT PILLON	38032	TN
63-43-0001	STEAMON BROS	HARRY & LEE	WHITESBURG	37891	TN
63-43-1004	SHADOWLAND FARM	HUGH C GOAN	BULLSGAP	37711	TN
63-45-0001	WILLIAM MCGIBNEY	ROUTE 1	ROCK ISLAND	38581	TN
63-45-0002	R Q GRANDEY	DKEH DAIRY	MCMINNVILLE	37110	TN
63-51-0003	ED & CLAUDE LANCE	ROUTE 2	SWEETWATER	37874	TN
63-51-0006	W B CLEVELAND	WHITE DAK FM RT	SWEETWATER	37874	TN
63-51-1002	FORT 8 NOTGRASS	ROUTE 1	MAISONVILLE	37354	TN
63-51-1304	R C R FARMS	MRS FRED CHESTER	SWEETWATER	37874	TN
63-60-0002	C H GILLEN	ROUTE 1	SPARTA	38583	TN
64-01-0114	MCCRORY DAIRY	ROUTE 1 BOX 467	TRUSSVILLE	35173	AL
64-01-0115	JERSEY DAIRY FARM	RT 7 BOX 345	BESSEMER	35020	AL
64-01-0126	J D NORRIS	ROUTE 1	TRUSSVILLE	35173	AL
64-02-0108	JONATHAN WAHL	ROUTE 1	WILMER	36587	AL
64-03-0114	MCLEAN AND NOBINGER	ROUTE 4 BOX 209-	MONTGOMERY	36106	AL
64-05-0103	JOHN DILLON AND SDNS	ROUTE 1 BOX 2C	FOLEY	36535	AL
64-05-0134	PAUL CHILDRESS JR	ROUTE 1 BOX 195	LOXLEY	36551	AL
64-08-0103	GEORGE A HALLMAN JR	ROUTE 1	REMLAP	35133	AL
64-08-0106	BANGOR FARM		GARDEN CITY	35070	AL
64-08-0115	J S HAZELRIG DONKA 1	ROUTE 1	CLEVELAND	35049	AL
64-08-0117	B & H DAIRY	ROUTE 1 BOX 106A	CLEVELAND	35049	AL
64-08-9107	MAX SPIKE	ROUTE 3	BLOUNTSVILLE	35031	AL
64-12-0102	DAWSON DAY		FIVE POINTS	36855	AL
64-17-0104	J L SELLERS & SDN	BOX 74	MILLERVILLE	36267	AL
64-25-0112	C K SMITH	ROUTE 3	CULLMAN	35055	AL
64-25-0114	EDGAR W CROY	RT 8 BOX 54	CULLMAN	35055	AL
64-28-0105	W L HOWELL & SDN	ROUTE 1	FORT PAYNE	35967	AL
64-29-0123	COUSINS BRDS DAIRY		WETUMPKA	36092	AL
64-31-0108	MYRICK BROTHERS	G MYRICK RT 1	GAOSDEN	35901	AL
64-38-0102	BUOY SIMMON	SIMMONS DAIRY FM 1	OOTHAN	36301	AL
64-38-0103	DLAFF IVEY	ROUTE 1	WE88	36376	AL
64-44-0111	L E MCCONNELL	ROUTE 1	ANDERSON	35610	AL
64-48-0103	LESTER CRAWFORD		GALLION	36742	AL
64-48-0107	M W MCKEE	DAIRY FARM	FAUNSDALE	36738	AL
64-48-0110	CEARCREST FARMS NO 1	ATTN AMZI RANKIN	FAUNSDALE	36738	AL
64-48-0111	CEARCREST FARMS NO 2	ATTN JOE RANKIN	FAUNSDALE	36738	AL
64-48-0120	CEARCREST FARM NO 3	ATTN JOHN RANKIN	FAUNSDALE	36738	AL
64-50-0102	G V MITCHELL	1507 HIGH POINT RD	ALBERTVILLE	35950	AL
64-50-0103	R C SMITH	ROUTE 1	BOAZ	35957	AL
64-50-0106	BAMA JERSEY FARM	LAVONE C SMITH	ARAB	35016	AL
64-51-0101	DONALD NEUSCHWANDER	RT 2 BOX 182	ATMDRE	36502	AL
64-53-0101	JAMES BRADY	ROUTE 2 BOX 166	MARION	36756	AL
64-57-0103	G W CROUCH & SDNS	ROUTE 2 BOX 120	SEALE	36875	AL
64-58-0102	J E BEARON	RFD 1	HELENA	35080	AL
64-58-0110	MILLER BIG M DAIRY	HARDLO MILLER	VINCENT	35178	AL
64-58-0127	OR BEN CARRAWAY	CARRAWAY FARMS	VINCENT	35178	AL
64-60-0101	ROBERT WEIR	GARNER-WEIR DAIRY	PANOLA	35477	AL
64-61-0107	C L COLLINS JR 1	BOX 359	SYLACAUGA	35150	AL
64-61-0111	R B KENT & SONS NO 1	ROUTE 2 BOX 184A	TALLAOEGA	35160	AL
64-61-0112	R B KENT & SONS NO 2	ROUTE 2 BOX 184A	TALLAOEGA	35160	AL
64-63-0115	R W RYAN	R F D 1	COTTONOALE	35453	AL
64-99-0101	DEPT OF DAIRY HUSBANDRY	AUBURN UNIVERSITY	AUBURN	36830	AL

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
64-99-0109	DEPT OF DAIRY HUSBANDRY	AUBURN UNIVERSITY	AUBURN	36830	AL
65-02-0009	PLEASANT HILL DAIRY	DAVID BRIDGEMORTH	OLIVE BRANCH	38654	MS
65-02-0013	L AND M DAIRY		LAKE CORMORANT	38641	MS
65-02-0021	JOHN GARTRELL		LAKE CORMORANT	38641	MS
65-02-0022	GAYOSO FARMS	STAR ROUTE BOX 2	HORN LAKE	38637	MS
65-02-0051	ELMER MASSEY		HORN LAKE	38637	MS
65-02-0075	R M TREADWAY & SON	ROUTE 2	HERNANDO	38632	MS
65-03-0017	CUS-GEE GUERNSEY FARM	BOX 559	STATE COLLEGE	39762	MS
65-03-0049	R P HARTNESS	ROUTE 1	STARKVILLE	39759	MS
65-03-0050	BOSWELL KENNARO	ROUTE 1	STARKVILLE	39759	MS
65-03-0052	F W OAKLEY	ROUTE 1	STARKVILLE	39759	MS
65-03-0231	MISS STATE UNIV	DRAWER 00	STATE COLLEGE	39762	MS
65-03-0331	MISS STATE UNIV	DRAWER DD	STATE COLLEGE	39762	MS
65-06-0003	DEWITT & SAMMY BENNETT	ROUTE 1	KOKOMO	39643	MS
65-06-0006	KELLY SPEIGHTS	ROUTE 2	COLUMBIA	39429	MS
65-07-0006	C O HERCHENHAHN & SON	ROUTE 5	HATTIESBURG	39401	MS
65-08-0022	DOUGLAS YELVERTON		ARTESIA	39736	MS
65-09-0004	MILLER BROTHERS		WEST POINT	39773	MS
65-10-0001	KARL GOSS	ROUTE 3	PICAYUNE	39470	MS
65-12-0007	BUFORD PIGOTT	ROUTE 2	TYLERTOWN	39667	MS
65-13-0008	ALFORD FARM	% J KINABREW	SUMMIT	39666	MS
65-14-0003	D M WARREN	ROUTE 3	MAGEE	39111	MS
65-14-0004	JAMES E LAYTON	ROUTE 3	MAGEE	39111	MS
65-17-0002	JAMES ROWZEE		NEWTON	39345	MS
65-17-0017	FRANK RICHARDSON	ROUTE 4 BOX 181	UNION	39365	MS
65-18-0001	W A BILBO	755 PINE ST	MAGNOLIA	39652	MS
65-18-0004	DOCK SLATON	RT 3	MAGNOLIA	39652	MS
65-18-0008	EUGENE L OTT JR		OSYKA	39657	MS
65-18-0014	MARJORIE McMULLIN DAIRY	% JOE JACKSON	MAGNOLIA	39652	MS
65-19-0003	JAMES H DARNELL	ROUTE 3	COLOWATER	38618	MS
65-19-0007	EDWIN SCOTT	ROUTE 2	COLOWATER	38618	MS
65-19-0106	WOOTEN AND BARHAM	% BOB BARHAM	COLDWATER	38618	MS
65-20-0002	JULIUS T CARROLL	ROUTE 2	KILMICHAEL	39747	MS
65-21-0002	W P GARTH	HERO NO 1 BOX 54	BRANDON	39042	MS
65-21-0003	W P GARTH HERD NO 2	BOX 547	BRANDON	39042	MS
65-24-0001	BURCHFIELD JERSEY FARM	ROUTE 1 BOX 123	ETHEL	39067	MS
65-24-0005	H L & DAVID DODD		SALLIS	39160	MS
65-33-0001	G B WALKER AND SONS		STONEVILLE	38776	MS
65-39-0001	NORTH EAST BRANCH	EXPERIMENT STATION	VERONA	38879	MS
65-41-0001	EDWARD L CLARK		MADISON	39110	MS
65-46-0004	RAYMOND COLLINS	ROUTE 5	LAUREL	39440	MS
65-46-0016	ELLISVILLE STATE SCH	ATTN DAIRY DEPT	ELLISVILLE	39437	MS
65-52-0048	F E WOODS		BYHALIA	38611	MS
65-53-0001	J F MCCAROLE	ROUTE 1	HAZLEHURST	39083	MS
65-57-0001	R B MOORE	ROUTE 5	PHILADELPHIA	39350	MS
71-02-0008	HERSHBERGER, LEWIS	R R 3 BOX 220	BENTONVILLE	72712	AR
71-02-0047	CLOE, DON	R R 3 BOX 234	BENTONVILLE	72712	AR
71-02-0051	REAMS, VERNON	R R 1	GENTRY	72734	AR
71-02-0056	BLACKBURN, BYRON AND ERNA	R R 1	BENTONVILLE	72712	AR
71-02-0061	ROSE, CLYDE RON & DON	R R 2	BENTONVILLE	72712	AR
71-02-9005	CRAWLEY, W C AND SON	R R 2 BOX 205	GRAVETTE	72736	AR
71-02-9083	MABRY, ROGER	R R 4 BOX 239	BENTONVILLE	72712	AR
71-03-0008	JONES, MARVIN F	R R 2	HARRISON	72601	AR
71-07-0003	WASSON FARM	BOX 38B	CONWAY	72032	AR
71-07-0006	MARTIN, R E	R R 2	OAMASCUS	72039	AR
71-10-0002	ROBERSON, ROOSEVELT	R R 1	PARIS	72855	AR
71-10-0007	VINES BROS	R R 3	PARIS	72855	AR
71-10-0023	GEELS BROS	C/O CLETUS GEELS	SCRANTON	72863	AR
71-10-0025	STEPHENS, JERRY	R R 1	SUBIACO	72865	AR
71-10-9001	HUBER, GEORGE J	R R 1 BOX 168	SUBIACO	72865	AR
71-18-0009	HALL, JERRY	R R 1	DAMASCUS	72039	AR
71-19-0030	THURMAN, OWEN	R R 1	SUMMERS	72769	AR
71-19-0035	HILL, BLAINE	R R 4	FAYETTEVILLE	72701	AR
71-19-9023	HAWLEY AND BELL	% L HAWLEY R R 2	PRAIRIE GROVE	72753	AR
71-19-9037	BROOKS, D C AND DON	R R 5	SILAM SPRINGS	72761	AR
71-80-9003	UNIV OF ARK AND SCI	% OR J M RAKES	FAYETTEVILLE	72701	AR
72-07-0001	PHILIP C COOK	BOX 462	RINGGOLD	71068	LA
72-07-0006	E S WOODARD & SON	RT 3 BOX 221	RINGGOLD	71068	LA
72-14-0002	N LA HILL FARM EXP STA	ROUTE 1 BOX 100	HOMER	71040	LA
72-16-0005	OR HOWARD S WILCOX	P O BOX B1	GRAND CANE	71032	LA
72-16-0012	W M POLLOCK JR	BOX 824	MANSFIELD	71052	LA
72-17-0001	JOHN L EAST	ROUTE 1 BOX 288	ZACHARY	70791	LA
72-17-0003	LSU DAIRY DEPT DR J 8	DAIRY PROD T&R CEN	BATON ROUGE	70803	LA
72-17-0006	KLEINPETER FMS DY INC	ROUTE 6 BOX 50	BATON ROUGE	70814	LA
72-28-0010	EDWIN SIMON	RT 1 BOX B3	YOUNGSVILLE	70592	LA
72-28-0011	WALTER T GARBER	ROUTE 3 BOX 365	LAFAYETTE	70501	LA
72-28-0013	CLEMENT & JOHN C SIMON	COULEE SIDE DAIRY	YOUNGSVILLE	70592	LA
72-28-0014	THEODORE HEBERT	CAJUN JERSEY FARM	LAFAYETTE	70501	LA
72-31-6101	LA POLYTECHNIC INST	DR G A STEWART	RUSTON	71270	LA
72-31-6102	LA POLYTECHNIC INST	OR G A STEWART	RUSTON	71270	LA
72-34-0126	LESLIE H MCKOIN		BONITA	71223	LA
72-34-6115	GREEN BROS DAIRY	DAIRY # 1	BASTROP	71220	LA
72-37-0001	M L JOHNSON	P O BOX 4340	MONROE	71201	LA
72-37-0103	LOUISIANA STATE UNIV	N LA EXP STATION	CALHOUN	71225	LA
72-37-0109	LOUISIANA STATE UNIV	N LA EXP STATION	CALHOUN	71225	LA

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
72-40-0110	M W WALKER	CLOVERLAND DAIRY	ALEXANDRIA	71301	LA
72-40-6126	INGLEWOOD DAIRY	% J BLANSETT	ALEXANDRIA	71301	LA
72-42-0123	W M ACOCK	ROUTE 2 BOX 408	RAYVILLE	71269	LA
72-43-0001	R & G JORDON	GERALD E JORDAN	FLORIEN	71429	LA
72-46-0001	THOMAS E MORGAN	ROUTE 1 BOX 125	AMITE	70422	LA
72-53-0014	J E SONTHEIMER	3229 CARONOELET	NEW ORLEANS	70115	LA
72-59-0120	WELCOME JERSEY FARM	% H J BEINVENU	FRANKLINTON	70438	LA
72-60-0101	R O HINTON	1501 GLAONEY ST	MINDEN	71055	LA
73-02-0001	YOUNG, CHARLES	R R 2	CHEROKEE	73728	OK
73-02-9007	PEFFLY, ALFREO	R R BOX 80	AMORITA	73719	OK
73-03-9003	MUNGLE, J JENE	R R 5	ATOKA	74525	OK
73-04-9027	OKIE-PAN DAIRY	% R PARKER	ELMWOOD	73935	OK
73-09-9004	KREMEIER, LESTER	R R 3	OKARCHE	73762	OK
73-16-0005	SULLIVAN, ELBREDEO	R R 2	LAWTON	73501	OK
73-19-9005	SOFT GOLO DAIRY INC	BOX 1191	SAPULPA	74066	OK
73-20-0010	PECK, BOBBY	R R 2	CANUTE	73626	OK
73-20-0011	MAST, JOHN B	R R 2 BOX 56	WEATHERFORD	73096	OK
73-20-9002	BAILEY, FRED	R R 2	WEATHERFORD	73096	OK
73-23-0028	ROPER, FRED L	R R 1	GAGE	73843	OK
73-23-0033	PAY DAY FARM	R R 1	GAGE	73843	OK
73-23-9002	COMMUNITY JERSEY FARM	ELLIS A WOODS	GAGE	73843	OK
73-23-9006	BAYLESS, GLENN B	R R 1	GAGE	73843	OK
73-23-9008	BAY, CLARENCE		SHATTUCK	73858	OK
73-24-9001	ENIO STATE SCHOOL		ENIO	73701	OK
73-24-9006	ANGLIN, ELMER	R R 3	ENIO	73701	OK
73-24-9014	BENKENDORF, W E	R R 1	ENIO	73701	OK
73-25-9003	ARTHUR, JESSIE R	R R 2	PAULS VALLEY	73075	OK
73-26-0024	MORGAN, THOMAS AND RALPH	R R 2	CHICKASHA	73018	OK
73-26-0050	JONES, THERON	R R 2	TUTTLE	73089	OK
73-26-9001	VON TUNGELN, ELMER	R R 2	VEROEN	73092	OK
73-26-9010	WEGENER, RAYMOND	R R	MINCO	73059	OK
73-26-9036	STEWART, JACK	R R 1 BOX 88	VEROEN	73092	OK
73-32-0003	SHIELOS, HORACE	R R 3	HOLDOENVILLE	74848	OK
73-36-0027	HEADS CREST DAIRY	% DON HEAD	HUNNEWELL	66748	KS
73-36-9015	HIATT, HAROLD	R R 1	BRAMAN	74632	OK
73-37-0019	STAUOE, WILBUR	R R 2	LOYAL	73756	OK
73-37-0021	SCOTT, LOUIS		OMEGA	73764	OK
73-37-0023	STONE, ROBERT	R R 1	CASHION	73016	OK
73-37-0024	BUGG, WILLIAM E	R R 1	HENNESSEY	73742	OK
73-37-0025	BREHM, GUY R	R R 1	LOYAL	73756	OK
73-37-9003	YEOMAN, GEORGE L	R R 1	DOVER	73734	OK
73-41-0029	HIGHHILL FARM	R R 3	MEEKER	74855	OK
73-41-0034	HELM, WAYNE	R R 2	CHANOLER	74834	OK
73-41-0048	HERRMANN, OWAYNE	R R 1	TRYON	74875	OK
73-41-0049	OAVIS, FRANCIS F	R R 1	AGRA	74824	OK
73-41-0063	STEWART, RONALD	R R 1 BOX 93	CHANOLER	74834	OK
73-42-0007	MAXON, ROBERT	R R 1 BOX 69A	EDMONO	73034	OK
73-45-0031	COVEY, L R	STAR ROUTE EAST	LOCUST GROVE	74352	OK
73-45-0033	WOLF, LOWELL	R R 1	SALINA	74365	OK
73-45-9007	BLANO, WILLIAM	R R 2	VINITA	74301	OK
73-45-9020	MILLER, DONALD	R R 1	BIG CABIN	74331	OK
73-45-9027	KESTER, W L	R R 2 BOX 133	PRYOR	74361	OK
73-49-0006	HOLMAN, O J	BOX 20	NEWCASTLE	73065	OK
73-55-0017	MURPHY, JIM C	R R 2	EDMONO	73034	OK
73-55-0029	LUNSFORD, TOMMY	7306 S COUNCIL	OKLAHOMA CITY	73119	OK
73-55-9012	GAYLORO, E K	R R 2 BOX 102	OKLAHOMA CITY	73100	OK
73-55-9030	IDEAL DAIRY FARMS	R R 1 BOX 263	CHOCTAW	73020	OK
73-60-0057	CABIN-CREEK-S FARM	R R 3	CUSHING	74023	OK
73-60-9018	OKLA STATE UNIV	DAIRY DEPT	STILLWATER	74074	OK
73-60-9019	OKLA STATE UNIV	DAIRY DEPT	STILLWATER	74074	OK
73-60-9020	OKLA STATE UNIV	DAIRY DEPT	STILLWATER	74074	OK
73-61-9001	OKLA STATE PENITENTIARY	DAIRY DEPARTMENT	MC ALESTER	74501	OK
73-66-0029	OAKRIDGE FARM	R R 1	GRIMES	73649	OK
73-70-9001	PANHANDLE STATE COLLEGE		GOODWELL	73939	OK
73-70-9015	HAMM, LOREN	R R 1	HOOKER	73945	OK
73-72-0026	COX, E J	R R 2	BIXBY	74008	OK
73-74-9012	ROCKY HILLS DAIRY	R R 1 BOX 508	BARTLESVILLE	74003	OK
73-76-9008	EGGLESTON, DONALD	R R 1 BOX 39	WAYNOKA	73860	OK
74-01-0033	TEXAS A&M COLLEGE HOL	DAIRY SCIENCE DEPT	COLLEGE STATION	77840	TX
74-01-0034	A & M COLLEGE TEXAS JER	DAIRY SCIENCE DEPT	COLLEGE STATION	77840	TX
74-03-0129	TEXAS DEPT CORRECTION	ELLIS FARM	HUNTSVILLE	77340	TX
74-04-0109	LAVON FARMS	ROUTE 2	PLANO	75074	TX
74-04-0115	ARTHUR OIETERICH FARM		DOORCHESTER	75030	TX
74-04-0143	FITCH DAIRY	ROUTE 1 BOX 189	BEFORD	76021	TX
74-05-0031	BRENNHAM JERSEY FARM	DONALD OAVIS	BRENNHAM	77833	TX
74-05-0032	DANIEL ENGELING	ROUTE 1 BOX 190	BRENNHAM	77833	TX
74-05-0036	DONALD OAVIS	% EDWIN GIEBLER	BRENNHAM	77833	TX
74-05-0043	3 O JERSEY FARM	BOX 939	NAVASOTA	77868	TX
74-06-0003	G L SHOEMAKER	ROUTE 1	MADISONVILLE	77816	TX
74-06-0010	ROCKIN N SWISS FARM	ROUTE 3	NORMANGEE	77871	TX
74-10-0131	MURIEL E STEUBING	ROUTE 4 BOX 121A	SAN ANTONIO	78228	TX
74-10-0136	SOEFJES HOLSTEIN DAIRY	RT 2 BOX 511	NEW BRAUNFELS	78130	TX
74-10-0169	S W TEXAS ST COLLEGE F	A L KATZE	SAN MARCOS	78666	TX
74-10-0179	WILSON PETTY	ROUTE 4 BOX 179	GEORGETOWN	78626	TX
74-10-0190	COFFIN JERSEY FARM	ROUTE 1 BOX 157	MATHIS	78368	TX

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
74-10-0193	808 STORM	P O BOX 302	PREMONT	78375	TX
74-10-0201	LARRY RICKS	RT 4 BOX 122	SAN ANTONIO	78228	TX
74-10-0214	SCHENOEL JERSEY FARM	ERWIN H SCHENOEL	RUNGE	78151	TX
74-11-0118	PETER PRESCHER	ROUTE 1	GAINESVILLE	76240	TX
74-11-0140	VERNON G FRIEDRICH	RT 1 BOX 297	GAINESVILLE	76240	TX
74-12-0104	GROUND BROTHERS	ROUTE 1 BOX 294	OESOTO	75115	TX
74-12-0111	OAVIO G SHOKLER	RT 1 BOX 525	LANCASTER	75146	TX
74-12-0113	JOHN F TUFTS	ROUTE 1 BOX 1310	DALLAS	75216	TX
74-12-0124	H E REODEN	ROUTE 3	MILOTHIAN	76065	TX
74-14-0122	JAMES KNANOEL		COST	78614	TX
74-15-0131	POSTON FARM INC DAIRY	ROUTE 2	STEPHENVILLE	76401	TX
74-15-0151	DOON EARLY	ROUTE 1	BANGS	76823	TX
74-15-0156	GENE GILBREATH	ROUTE 1	DOUBLIN	76446	TX
74-15-0162	W L PAYTON	ROUTE 1	STEPHENVILLE	76401	TX
74-15-0185	WHITIS HOLSTEIN FARM	ROUTE 4	STEPHENVILLE	76401	TX
74-15-0188	TARLETON STATE COLLEGE	JOEL HILLIN	STEPHENVILLE	76401	TX
74-15-0189	OAK MEADOW FARM INC	ROUTE 4 BOX 220	BROWNWOOD	76801	TX
74-16-0104	RONALD L DOOSLAUF	RT 1 BOX 120	LA GRANGE	78945	TX
74-16-0116	ANTON TIETJEN JR	ROUTE 2	LAGRANGE	78945	TX
74-16-0147	HENRY W HAISLER	ROUTE 2 BOX 251	BASTROP	78602	TX
74-18-0128	C F TUCKER	149 FORE	SULPHUR SPRINGS	75482	TX
74-18-0133	T O HARNESS	ROUTE 3	SULPHUR SPRINGS	75482	TX
74-18-0151	E M MOORE	ROUTE 4	SULPHUR SPRINGS	75482	TX
74-25-0108	LOUIS G HINDERS	BOX 157	CANYON	79015	TX
74-25-0136	RIGLER BROTHERS	BOX 1950	PLAINVIEW	79072	TX
74-25-0173	VINCENT BRADDOCK	ROUTE 2	DIMMITT	79027	TX
74-25-0199	J CHESTER ELLIFF	ROUTE 1	TULIA	79088	TX
74-25-0202	WINSTON WAGGONER	RT 1	DIMMITT	79027	TX
74-25-0204	JONES HALES	ROUTE 1 BOX 21A	CANYON	79015	TX
74-30-0108	R T PAYNE & SON	ROUTE 1 BOX 115	MT PLEASANT	75455	TX
74-30-0124	JAMES B HAROWAY	ROUTE 1	LEESBURG	75451	TX
74-31-0114	HERSHEL STODDARO	ROUTE 2 BOX 153	BELLEVUE	76228	TX
74-31-0126	WILFRED A HOFF		WINOTHORST	76389	TX
74-31-0135	LEO A HOFF	ROUTE 1	WINOTHORST	76389	TX
74-31-0141	ROBERT STEINBERGER		WINOTHORST	76389	TX
74-31-0151	JERRY VIETH	VIETH BROS	WINDTHORST	76389	TX
74-32-0145	BYRON PESTER	ROUTE 2 BOX 63 E	HOUSTON	77018	TX
74-33-0107	SITTON AND MCCLAIN	RT 5 BOX 324	NACOGDOCHES	75961	TX
74-33-0154	SHIVERS DAIRY	ROUTE 3	CARTHAGE	75633	TX
74-35-0109	J FRED OAVIS JR	BOX 75	HASLET	76052	TX
74-35-0182	FINIS CHRISTENBERRY	RT 1 BOX 53	SPRINGTOWN	76082	TX
74-35-0190	CROUCHILL FARMS	P O BOX 606	CROWLEY	76036	TX
74-35-0191	LON-FRAN FARM	RT 2	MILOTHIAN	76065	TX
74-36-0003	LOUIS SCHOENEMAN	ROUTE 1	CALOWELL	77836	TX
74-36-0019	ELM CREEK FARM JEREYS	P O BOX 584	CAMERON	76520	TX
74-36-0022	ELM CREEK FARM HOL	P O BOX 584	CAMERON	76520	TX
74-36-0024	JAMES O ASH	BOX 413 RT 2	BELTON	76513	TX
74-36-0025	JERRY REK	ROUTE 2	ROCKDALE	76567	TX
74-36-0027	MELVIN HRONEK	ROUTE 3 BOX 41	CALDWELL	77836	TX
74-36-0030	S R DONAHO	ROUTE 2 BOX 75	FLORESVILLE	78114	TX
74-36-0036	C S LANKART	ROUTE 6	WACO	76706	TX
74-74-0002	J HARREL KNAPE	ROUTE 4 BOX 80	ALVIN	77511	TX
74-74-0012	BILL STANSELL	ROUTE 1	FLUVANNA	79517	TX
81-07-0623	RALPH PARKER		SUN RIVER	59483	MT
81-07-9622	PURVIS BROTHERS		VAUGHN	59487	MT
81-16-0031	BOSTANA RANCH	ROUTE 1	MANHATTAN	59741	MT
81-16-0184	HENRY OYK	ROUTE 1	MANHATTAN	59741	MT
81-16-0185	JOE OYK	RT 1 BOX 313	MANHATTAN	59741	MT
81-16-0801	WILLIAM J TATARKA	ROUTE 1	BOZEMAN	59715	MT
81-16-0842	JOHN R VAN DYKEN	RT 1	MANHATTAN	59741	MT
81-16-0917	LES YPMA	RFO 2 BOX 27	MANHATTAN	59741	MT
81-16-9039	STEVEN & GARY BOS	RT 1 BOX 69	MANHATTAN	59741	MT
81-16-9187	JOHN & DON OYKSTRA	RT 1 BOX 314	MANHATTAN	59741	MT
81-16-9512	HARVEY MOSS & SONS		BELGRADE	59714	MT
81-16-9513	OR B R MOSS	MONTANA STATE UNIV	BOZEMAN	59715	MT
81-24-0741	GENE SCHOCK	BOX 406	ROMAN	59864	MT
81-41-0473	BRUCE LUOWLO		TEVENSVILLE	59870	MT
81-50-9576	MILKY WAY DAIRY	ROUTE #1	FAIRFIELD	59436	MT
81-56-9033	HERMAN & RUSSELL BECKER		BALTIMORE	59006	MT
82-11-0117	GEORGE E OAY	ROUTE 3	NAMPA	83651	IO
82-11-0244	LARRY IRISH	ROUTE 1	EAGLE	83616	IO
82-12-0119	IOACREST FARMS INC		KUNA	83634	IO
82-12-0124	THOMAS COOPER	ROUTE 3	NAMPA	83651	IO
82-12-0144	STEWART FARMS INC	ROUTE 3	NAMPA	83651	IO
82-12-5138	OREGON TRAIL FARMS	ROUTE 1	NAMPA	83651	IO
82-12-9122	ROY EDDLEMON & SON	ROUTE 6	NAMPA	83651	IO
82-13-0113	RICHARD O BRASS	ROUTE 1	CALOWELL	83605	IO
82-13-0197	L L LINCOLN & SON	ROUTE 1	PARMA	83660	IO
82-14-0111	AGEE DAIRY FARMS	ROUTE 3	MERIDIAN	83642	IO
82-14-0194	ROBERT OAY	ROUTE 2	KUNA	83634	IO
82-14-0225	FLOYD EDWARDS	ROUTE 6	NAMPA	83651	IO
82-14-0264	GERALD W OIRKSEN	ROUTE 3	MERIDIAN	83642	IO
82-14-5157	W J WAGONER & SON	ROUTE 2	MERIDIAN	83642	IO
82-15-0195	GUY VAN BEEK	ROUTE 1	CALOWELL	83605	IO
82-15-0198	WAYNE VASSAR	ROUTE 5	NAMPA	83651	IO

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET DR ROUTE	ADDRESS OF TOWN	ZIP-CODE	STATE
82-16-0167	ELDDN F HARRDLO	ROUTE 2	KUNA	83634	ID
82-16-0191	GREEN PASTURES FARM	ROUTE 1	HMEDALE	83628	ID
82-16-5141	MR & MRS RAYMOND D LANE	ROUTE 2	MERIDIAN	83642	ID
82-17-0151	E L HARRIS	ROUTE 1	EAGLE	83616	ID
82-19-0193	PERRY KASEL	ROUTE 6	NAMPA	83651	ID
82-19-0241	JERRY L TLUCEK	ROUTE 1	MELBA	83641	ID
82-22-0010	CLAUDE GROSS & SON	ROUTE 1	KUNA	83634	ID
82-25-5118	ODNALO D HEFFNER	P D BOX 2	MDNTOUR	83646	ID
82-26-0223	BOYD YOUNG	ROUTE 2	EMMETT	83617	ID
82-26-0255	FLOYD EDWARDS	ROUTE 6	NAMPA	83651	ID
82-29-0122	HENRY ORURY	ROUTE 1	PRESTON	83263	ID
82-29-0143	WILLIAM D WRIGHT	RURAL RTE	FRANKLIN	83237	ID
82-29-0213	HERMAN NIELSON		WESTON	83286	ID
82-32-0122	HARRIS A MICKELSON		GRACE	83241	ID
82-32-0123	MELVIN MICKELSDN		GRACE	83241	ID
82-32-0155	FLOYD TOONE		GRACE	83241	ID
82-32-0157	DANIEL MICKELSON		GRACE	83241	ID
82-32-0164	ORIS REED	STAR ROUTE	GRACE	83241	ID
82-32-9141	RILEY L MICKELSON		GRACE	83241	ID
82-32-9154	LAWRENCE D. MICKELSON		GRACE	83241	ID
82-33-9111	WILLOWOALE FARM	% WILMER W BROWN	DVID	83260	ID
82-35-0179	PHARES & BOB SCHIFFLER	RURAL RTE 1	WENDELL	83355	ID
82-35-0190	KURT WESTENDORF	RURAL RTE 1	GOODING	83330	ID
82-35-0261	BLAIR HALL	STAR RTE	BLISS	83314	ID
82-36-0230	GEORGE S BEER	ROUTE 3	JEROME	83338	ID
82-36-0254	GEORGE BIRO	RURAL RTE 1	WENOELL	83355	ID
82-36-0258	SCOTT GULICK	RURAL RTE	JEROME	83338	ID
82-36-5140	ARCHIE MALDNE	RURAL RTE 1	JEROME	83338	ID
82-39-0118	DAKLEY HUNTER	ROUTE 2	ST ANTHONY	83445	ID
82-39-0119	BERT HYMAS	RTE 2	REXBURG	83440	ID
82-39-0143	W G STEWART	ROUTE 1	REXBURG	83440	ID
82-39-5120	IDAHO YOUTH TRAINING CTR	RURAL RTE	ST ANTHONY	83445	ID
82-39-5165	H R PARKER & SONS	RURAL RTE 2	ST ANTHONY	83445	ID
82-40-0164	JACK HILTERBRAND	ROUTE 5	RUPERT	83350	ID
82-40-0204	FOREST D SON	ROUTE 2	PAUL	83347	ID
82-40-5158	LOUIS BOTT & SONS	ROUTE 2	RUPERT	83350	ID
82-41-0019	GRANT RANDALL & SON	ROUTE 2	BURLEY	83318	ID
82-41-0021	REX GERRATT	RTE 3 BOX 353A	BURLEY	83318	ID
82-45-0171	H K PAISLEY	STAR RTE	SPIRIT LAKE	83869	ID
82-48-5121	O H KOCHER	RURAL RTE	NEW PLYMOUTH	83655	ID
82-48-5150	ROBERT A PRITZL	ROUTE 2	NEW PLYMOUTH	83655	ID
82-49-0165	ALAN JOHNSON	ROUTE 1	NEW PLYMOUTH	83655	ID
82-49-5171	WILLARD ASHTON	1915 7TH AVE N	PAYETTE	83661	ID
82-49-5207	RAYMOND SMITH	RTE 1	EMMETT	83617	ID
82-51-0191	M R & JOHN COTHERN	ROUTE 1	BUHL	83316	ID
82-52-0119	IRVIN EHLERS	ROUTE 1	TWIN FALLS	83301	ID
82-52-0167	VERNON LASSEN	ROUTE 2	FILER	83328	ID
82-52-0169	WALTER MATTHIEN	ROUTE 2	FILER	83328	ID
82-52-0173	DALE WILLIAMS	ROUTE 2	FILER	83328	ID
82-52-0203	L & R ENTERPRISES INC	% L WARD RTE 1	BUHL	83316	ID
82-56-0157	WENOELL STANDER	ROUTE 2	BLACKFOOT	83221	ID
82-56-0168	LYLE ANDERSEN	RTE 2 N BOX 96A	PDCATELLO	83201	ID
82-58-0124	L A JEPHSON	RTE 2 TAG A LONG F	IDAHO FALLS	83401	ID
82-58-0137	TED MULBERRY	RTE 4 BOX 69	IDAHO FALLS	83401	ID
83-15-9100	HAROLD RADLOFF	UNIV. OF WYOMING	LARAMIE	82070	WY
84-02-0006	COLO HONOR FARM DAIRY	3800 W 11TH AVE	PUEBLA	81003	CO
84-03-0018	PAUL NEWBY	ROUTE 4 BOX 166	LONGMONT	80501	CO
84-03-0032	NORMAN CARLSON	ROUTE 1 BOX 139	BERTHOUD	80513	CO
84-03-0036	WILLIAM H EGNER	ROUTE 1 BOX 147	LOVELAND	80537	CO
84-03-0053	RAY J OCHANT	RT 1 BOX 61	BERTHOUD	80513	CO
84-03-0142	HOWARD BINDER & SONS		JOHNSTOWN	80534	CO
84-03-0147	CALVIN SCHWALM	ROUTE 1 BOX 206	LOVELAND	80537	CO
84-03-0203	CLARENCE SITZMAN	RT 3 BOX 182	GREELEY	80631	CO
84-03-0358	OTTO SCHELLER	RT 2 BOX 86	EATON	80615	CO
84-03-0471	LAWRENCE SLAN	ROUTE 1 BOX 153	BRIGHTON	80601	CO
84-03-0805	ANDERSON BROTHERS	ROUTE 1 BOX 18	PLATTVILLE	80651	CO
84-03-0814	ROYAL JERSEY FARM		KEENESBURG	80643	CO
84-03-9144	ALBERT FOOS	ROUTE 2 BOX 124	BRIGHTON	80601	CO
84-03-9224	HIROSHI TATEYAMA		AULT	80610	CO
84-03-9307	EOWIEN WIEDEMAN	ROUTE 3 BOX 436	GREELEY	80631	CO
84-03-9308	VIRGIL POOTBURG	RT 1 BOX 53	JOHNSTOWN	80534	CO
84-03-9422	MILLIS-AN DAIRY	RT 1 BOX 403	LUPTON	80621	CO
84-03-9461	CARL-AYR FARM	RT 2 BOX 6	FT LUPTON	80621	CO
84-03-9480	JOSEPH J TROSTEL	RT 2 BOX 196	BRIGHTON	80601	CO
84-03-9482	ROBERT BUTLER	ROUTE 2 BOX 127 C	BRIGHTON	80601	CO
84-03-9815	A J R FARMS	R R 4 BOX 195-F	GREELEY	80631	CO
84-04-0025	TEO O WILSON	STAR ROUTE BOX 717	ELIZABETH	80107	CO
84-04-0035	WILLIAM BRUCE MOUNT		ELIZABETH	80107	CO
84-04-9038	E L CANDN HDLSTEINS	1515 VINE	CANDN CITY	81212	CO
84-06-0085	S SCHMAGHTENBERGER	RT 2 BOX 330	LOVELAND	80537	CO
84-06-0090	B DAIRY FARM	1701 WEST 72 AVE	DENVER	80221	CO
84-06-9007	COLO STATE UNIVERSITY	ANIMAL SCIENCE DPT	FT COLLINS	80521	CO
84-06-9012	DUANE R FISHER	RR 4 BOX 226	FT COLLINS	80521	CO
84-06-9071	COLO STATE UNIVERSITY	ANIMAL SCIENCE DPT	FT COLLINS	80521	CO
84-06-9072	COLO STATE UNIVERSITY	ANIMAL SCIENCE DPT	FT COLLINS	80521	CO

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
84-06-9089	CLYDE VAIR	2238 MOFFETT DRIVE	FT COLLINS	80521	CO
84-06-9092	MIKE OICKERSON	RT 4 80X 264 #5	FT COLLINS	80521	CO
84-06-9208	CLIFFORD WAAG	ROUTE # 4 80X 59	FT COLLINS	80521	CO
84-07-9048	WILLIAM & FRANK PLATT	ROUTE 3 80X 337	LONGMONT	80501	CO
84-07-9050	THAYERS FARM	ROUTE 2 80X 659	8ROOMFIELD	80020	CO
84-07-9064	MILE HI SWISS	RT 1	ERIE	80516	CO
84-07-9068	PACLAMAR FARMS	RT 1 80X 312	LOUISVILLE	80027	CO
84-07-9075	BOULOER VALY HOLSTEINS	1042 95 STREET	LAFAYETTE	80026	CO
84-08-0006	V P OIFFENDAFFER	636-34 RD	CLIFTON	81520	CO
84-08-0056	ROCK-N-PINES DAIRY	C/O HANK WILLIAMS	GLENWOOD SP	81601	CO
84-08-9004	COLO ST HM & TR SCHOOL	P. O. 80X 2568	GRAND JUNCTN	81508	CO
84-08-9010	DENVER HENRY	2580 G ROAD RT 5	GRAND JCTN	81501	CO
84-15-9019	ROYLAINE JERSEYS INC	ROUTE 1 80X 109	FORT MORGAN	80701	CO
84-20-0011	FRANCIS B SLAUE		HEPERUS	81326	CO
84-30-0030	ROBERT G CROWTHER		SANFORD	81151	CO
84-30-9001	J H KNOOP AND F GRAY	ROUTE 1	ALAMOSA	81101	CO
84-37-9012	LLOYD HEIMER	WAGES ROUTE	HOLYOKE	80734	CO
85-01-9001	BJ ROMIG PUREBRED HERO	P. O. 80X 940	LAS CRUCES	88001	NM
85-01-9002	NEW MEXICO STATE UN	80X 365	UNIV PARK	88070	NM
85-02-9015	VALLEY GOLD DAIRY FARM	ROUTE 9 80X 858-8	ALBUQUERQUE	87105	NM
85-03-9016	HANDLEY GUERNSEY DAIRY	ROUTE 1 80X 645	ALBUQUERQUE	87102	NM
85-06-9001	LILLYWHITE RANCH		AZTEC	87410	NM
85-07-9014	ROBERT M BARLEY	P. O. 80X 217	HOPE	88250	NM
85-20-9001	MURMUNO JERSEY DAIRY	P. O. 80X U	ALAMOGORDO	88310	NM
85-21-9001	PRICE-BLACK FARM INC		ARREY	87930	NM
85-32-9005	PRICES EL PASO DAIRY	80X 26339 RANCHLNO	EL PASO	79928	NM
85-32-9006	ISLAND DAIRIES	P O DRAWER 968	FABENS	79838	NM
86-01-0098	HAROLD RAWLINGS	RT 2 80X 250	TEMPE	85281	AZ
86-01-0420	HOFFMAN DAIRY	RT 1 80X 48	BUCKEYE	85326	AZ
86-01-0456	PAUL L. CHRISTOPH	5555 E. THOMAS RD.	MESA	85201	AZ
86-01-0481	DELBERT HENRY	RT 2 80X 404	TEMPE	85281	AZ
86-01-9005	ARIZONA STATE UNIVERSITY	ROUTE 1 80X 531	TEMPE	85281	AZ
86-01-9022	BUTLER DAIRY	RT 1 80X 227 C	BUCKEYE	85326	AZ
86-01-9039	JAMES L COOPER & SONS	1059 SO STAPLEY DR	MESA	85201	AZ
86-01-9078	EDENDALE RANCH	RT 4 80X 349 C	PHOENIX	85031	AZ
86-01-9153	C. T. SHARP & SONS	1816 E BROWN RD	MESA	85201	AZ
86-01-9165	ST JOHN DAIRY	ROUTE 3 80X 450	GLENDALE	85301	AZ
86-01-9169	T A BURGESSON JR	ROUTE 2 80X 215	CHANDLER	85224	AZ
86-01-9173	PETE J. TREGUBOFF	P. O. 80X 306	TOLLESON	85353	AZ
86-01-9221	I. M. ULMER	RT 1 80X 181-8	TOLLESON	85353	AZ
86-01-9323	KEMPTON & SNEIGAR	321 EAST CONCORDA	TEMPE	85281	AZ
86-01-9416	JEROME LASALVIA	PO BOX 118 LAVERN	PHOENIX	85040	AZ
86-01-9447	MOUNTAIN SHADOW DAIRY	RT 1 80X 14	ARIZONA	85340	AZ
86-01-9478	HENDERSON, STOCKTON	507 SECURITY BLVD	PHOENIX	85004	AZ
86-02-0019	A BRUCE KNAPP	P. O. 80X 5544	TUCSON	85703	AZ
86-02-9008	ALVIN H KEMPTON	ROUTE 1 80X 52	COOLIDGE	85228	AZ
86-02-9012	SHAMROCK GUERNSEY FARM	PO BOX 5524	TUCSON	85702	AZ
86-02-9027	DAIRY SCIENCE DEPT	UNIVERSITY OF ARIZ	TUCSON	85721	AZ
87-01-0994	WALDO YAROLEY & SONS	P. O. 80X 161	BEAVER	84713	UT
87-02-0344	LEON O & BOYO GARONER		HONEYVILLE	84314	UT
87-02-0700	ROY LEWIS & JAY HAROY		BEAR RIV CTY	84301	UT
87-02-0744	HOWARD C MAUGHAN	R F O	GARLAND	84312	UT
87-02-0886	SIDNEY SORESENSEN	RFO	E GARLAND	84312	UT
87-02-0900	J H SORENSON & SON		EAST GARLAND	84312	UT
87-03-0015	ARTHUR ANDERSON	RFO	WELLSVILLE	84339	UT
87-03-0027	NORRIS ANDERSON		NEWTON	84327	UT
87-03-0172	WENDELL O BUTTARS		LEWISTON	84320	UT
87-03-0177	CACHE MEADOW FARM	P. O. 80X 423	LOGAN	84321	UT
87-03-0261	TINO FEDERICO		TRENTON	84338	UT
87-03-0273	CALVIN FUNK		RICHMOND	84333	UT
87-03-0287	H RAY & DON GIBBONS		LEWISTON	84320	UT
87-03-0341	W R HARRIS & SONS		RICHMOND	84333	UT
87-03-0794	WILLIS SHARP		LEWISTON	84320	UT
87-03-0870	DON THORNLEY		SMITHFIELD	84335	UT
87-03-9071	LUDEAN BALLS		HYDE PARK	84318	UT
87-03-9223	U. S. U. DAIRY HERO	UTAH STATE UNIV	LOGAN	84321	UT
87-03-9316	ROSS H GORDON		LEWISTON	84320	UT
87-03-9559	GRANT NORMAN		PARADISE	84328	UT
87-03-9566	NORMAN BROS	% WAYNE NORMAN	PARADISE	84328	UT
87-03-9625	LEO PERKES		HYDE PARK	84318	UT
87-06-0058	JOHN & CHARLES BARNER	RFO 80X 23	KAYSVILLE	84037	UT
87-06-0190	RAYDOLPH COOK & SON	2051 SOUTH 1000 W	SYRACUSE	84403	UT
87-06-0700	RICHARD JERSEY FARM	% AARON RICHARDS	FARMINGTON	84025	UT
87-06-0798	SMOOT JERSEY FARM	1697 N MAIN	CENTERVILLE	84014	UT
87-06-0917	BEN THURGOOD	1697 WEST 700	SYRACUSE	84041	UT
87-06-9060	RULON O BARNES	R F O	KAYSVILLE	84037	UT
87-18-0103	BECKSTEAD JERSEY FARM	%7981 SO 1300 WEST	WEST JORDAN	84084	UT
87-18-0187	JAMES H OAY		ORAPER	84020	UT
87-18-0886	UTAH STATE PRISON	R 8 DEVINE 80X 250	ORAPER	84020	UT
87-18-9927	WILLIS WHITEBECK	5770 S ROWD	MURRAY	84107	UT
87-20-0455	R A JENSEN	RFO	MANTI	84642	UT
87-20-0845	KURT N & R P SORENSON		CENTERFIELD	84622	UT
87-22-9061	BROWN DAIRY REG HOLSTN	% GLEN BROWN	COALVILLE	84017	UT
87-25-0295	DEAN F GILBERT	ROUTE #1 80X 270	AMERICAN FK	84003	UT
87-25-0305	MAX GRAFF	RFO 1 80X 42	AMERICAN FORK	84003	UT

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	CITY OR TOWN	ZIP-CODE	STATE
87-25-0611	B. RICHARD ORTON		SALEM	84653	UT
87-25-0614	ERNEST PARTIAGE	ROUTE 2 BOX 167	SPANISH FK	84660	UT
87-25-0862	THOMAS FARMS	RT 2 BOX 23	SPANISH FORK	84660	UT
87-25-0938	MERRILL N WARNICK	RFO BOX 372	PLEASANT GR	84062	UT
87-25-9076	B Y U DAIRY HERD	BRIGHAM YOUNG UNIV	PRDVO	84601	UT
87-25-9084	WILLIAM GARRY BRDWN	RFD	SANTAQUIN	84655	UT
87-25-9430	INTERCHANGE DAIRY	1275 SANDHILL RD	OREM	84057	UT
87-25-9487	OEXTER KENT	RT 1 BOX 374	PROVO	84601	UT
87-25-9924	CHARLES WARNICK	RFD BOX 376	PL GROVE	84062	UT
87-26-0299	WILLIAM R ELDREDGE	RFD BOX 182	HEBER	84032	UT
87-26-0658	CALVIN J PROBST	RFD	HEBER	84032	UT
87-26-0722	GRANT REMUND		HEBER	84032	UT
87-26-0755	RALPH B. SORENSON	R. F. D.	HEBER	84032	UT
87-27-9942	MURRAY WEBB	253 S 6 E	ST GEORGE	84770	UT
87-29-0074	HAROLD BUCK	R F O 1	OGDEN	84401	UT
87-29-0575	RIVERDALE STAKE FARM	R F O 2 BOX 798	FARR WEST	84404	UT
87-29-0655	ARNOLD I SLATER	RFO #2 BOX 78	DGDN	84404	UT
87-29-0946	OWEN WAYMENT	ROUTE 2	WARREN	84404	UT
87-29-9499	ALEX PAPAGEORGE	ROUTE 3	OGDEN	84404	UT
87-29-9712	LOWELL STALLINGS		EDEN	84310	UT
88-01-0035	DONALD STENERI	BOX 23	HAZEN	89417	NV
88-01-0044	HARPERS JERSEY DAIRY	RT 1 BOX 220	FALLON	89406	NV
88-01-9002	NEWELL J MILLS	RT 1 BOX 153	FALLON	89406	NV
88-01-9004	THOMAS PFLUM	RT 1 BOX 206	FALLON	89406	NV
88-01-9020	CHARLES FREY	RT 1	FALLON	89406	NV
88-01-9023	LYLE A MC GEE	ROUTE 1 BOX 123	FALLON	89406	NV
88-01-9025	VIRGIL GETTO	WEST STAR ROUTE	FALLON	89406	NV
88-01-9033	ELBERT L MILLS	RT 1 BOX 38C	FALLON	89406	NV
88-02-0004	LEE A JONES		BUNKERVILLE	89007	NV
88-02-0011	L D S WELFARE FARM	6206 MONSON RD	LAS VEGAS	89109	NV
88-02-0015	HUGHES BROS	% MR DEE HUGHES	MESQUITE	89024	NV
88-03-9003	JOHN HENNINGSEN		GARONERVILLE	89410	NV
88-15-9001	WM B HODGES	P. O. BOX 22	FERNLEY	89408	NV
88-16-9004	FRED WEAVER	695 KLEPPE LANE 11	SPARKS	89431	NV
88-16-9005	OR H P ADAMS	UNIV OF NEVADA	RENO	89507	NV
88-16-9007	DR VERNON CANTLON	565 RENO AVE	RENO	89502	NV
91-10-0005	FRED BOOTH	RTE 3 BOX 32	SEQUIM	98382	WA
91-10-0007	C N BURTON	RTE 1 BOX 269	SEQUIM	98382	WA
91-10-5020	WM G REED & L LANCASTER	RTE 2 BOX 135	SEQUIM	98382	WA
91-10-5022	HAROLD E HERRETT	RTE 3 BOX 862	SEQUIM	98382	WA
91-10-5034	C A ROBINSON & SON	RTE 3 BOX 111	SEQUIM	98382	WA
91-10-5064	LAMAR MILLET	RTE 3 BOX 195	SEQUIM	98382	WA
91-10-5069	MYRON LANCASTER	RTE 3 BOX 170	SEQUIM	98382	WA
91-11-5001	W S U	TRDY HALL	PULLMAN	99163	WA
91-11-5003	W S U	TROY HALL	PULLMAN	99163	WA
91-12-0011	FERRIS ENGLISH	RTE 2 BOX 260	CAMAS	98607	WA
91-12-0013	FRANK MESSNER	RTE 1 BOX 324	BRUSH PRAIRIE	98606	WA
91-12-0017	LEON OCHS	RTE 1 BOX 347	CAMAS	98607	WA
91-12-0024	SPRINGBROOK FARM	4319 NE 162ND AVE	VANCOUVER	98665	WA
91-12-0027	MEADOWLAND DAIRY	16430 SE POWELL	PORTLAND	97236	OR
91-12-0028	W F BENNETT & SONS	RTE 1 BOX 53	BRUSH PRAIRIE	98606	WA
91-12-0032	P E CHARPILLOZ	RTE 1 BOX 05	BRUSH PRAIRIE	98606	WA
91-12-0042	WALTER HUNTINGTON	RTE 1 BOX 89	BRUSH PRAIRIE	98606	WA
91-12-0045	KEN-MAC FARM	17308 NE 39TH ST	VANCOUVER	98662	WA
91-12-0049	GEORGE RASMUSSEN	RURAL RTE	LA CENTER	98629	WA
91-12-0075	ARI LANGENOEN	RTE 1 BOX 388	WASHOUGAL	98671	WA
91-12-0096	OICK OUDONSKY	215 SANDY 8ENO PLA	CASTLE ROCK	98611	WA
91-12-0116	EDWARD C BROWN	RTE 3 18216 NE 29T	RIOGFIELD	98642	WA
91-12-0130	MANOR FARMS INC	6112 NE 179TH ST	VANCOUVER	98665	WA
91-12-0131	ART KENNEDY	RTE 2 BOX 72	RIOGFIELD	98642	WA
91-12-0143	SAMMAMISH FARMS	RTE 1 BOX 41	LA CENTER	98629	WA
91-12-0146	MEADOWCHARM FARM	8616 NE 63RD ST	VANCOUVER	98662	WA
91-12-5021	B V WARNER	RTE 1 BOX 213	RIOGFIELD	98642	WA
91-12-5117	TOTEM POLE FARMS	6620 WILLOW GROVE	LONGVIEW	98632	WA
91-26-0002	GEORGE & JAY RODYLANCE	EAST STAR RTE	OTHELLO	99344	WA
91-28-0050	DR DONALD H MUSTARD	STAR RTE BOX 83	MONTESAND	98563	WA
91-28-5072	FRANK DECK JR	RTE 1 BOX 112	OAKVILLE	98568	WA
91-34-0006	LEON ANGERER	ROUTE 1	FALL CITY	98024	WA
91-34-0012	HARLEY BROWN	RTE 2 BOX 527	ENUMCLAW	98022	WA
91-34-0013	COY BROTHERS	ROUTE 1	MDNROE	98272	WA
91-34-0067	EDWARD SINNEMA	ROUTE 1	CARNATION	98014	WA
91-34-0074	NORMAN BROOK DAIRY	RTE 1 BOX 374	NDRTH 8ENJ	98045	WA
91-34-0117	WILLIAM M KNUTSEN	16005 115TH NE	BOHELL	98011	WA
91-34-0148	DONALD DE ROER	ROUTE 1	CARNATION	98014	WA
91-34-0193	RAY WILLIAM	RTE 2 BOX 426A	ENUMCLAW	98022	WA
91-34-5002	MARTIN HOLDENER	RTE 3 BOX 681	ENUMCLAW	98022	WA
91-34-5181	CARNATION FARMS	ROUTE 1	CARNATION	98014	WA
91-38-0027	GLEN FIELD	ROUTE 2	ELLENSBURG	98926	WA
91-38-0039	JOHN H SNELL	RTE 2 BOX 382	ELLENSBURG	98926	WA
91-38-0041	EARL SORENSON & SON	RTE 5 BOX 168	ELLENSBURG	98926	WA
91-38-5030	JACOB KOOY	ROUTE 3	ELLENSBURG	98926	WA
91-42-0004	BLASER BROS	BOX 97 AIRPORT WAY	CHEHALIS	98532	WA
91-42-0017	RASCHKE FARMS	ROUTE 1	CHEHALIS	98532	WA
91-42-5005	CLIFFORD BUTTS	RURAL RTE 1 BOX 32	MORTON	98356	WA
91-42-5006	SIONEY BUTTS	STAR RTE 4 BOX 43	MDRTON	98356	WA

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
91-42-5016	MATHEW RAKOZ	RTE 3 BOX 584	CENTRALIA	98531	WA
91-42-5062	BILL WOOD	RTE 1 BOX 153	ONALASKA	98570	WA
91-50-5007	JACK BURKHALTER	ROUTE 1	RAYMONO	98577	WA
91-54-0028	ELMER O LARSON	RTE 1 BOX 97 8	ROY	98580	WA
91-54-0049	CLOVERLEAF FARMS INC	RTE 1 BOX 230	ORTING	98360	WA
91-54-0085	JEROME SOLER	RTE 1 BOX 163	ORTING	98360	WA
91-54-0112	FRANK C NELSON	RTE 1 BOX 311	EATONVILLE	98328	WA
91-54-5063	PAUL J TOMCHICK	RTE 1 BOX 163	GRAHAM	98338	WA
91-54-5072	WILCOX FARMS	RTE 1 BOX 71	ROY	98580	WA
91-54-5110	LOUIE OECK	RTE 1 BOX 63	EATONVILLE	98328	WA
91-58-0020	MARTIN BOON	RURAL RTE	OAK HARBOR	98277	WA
91-58-0042	ANN FERNIE	ROUTE 2	SEORO WOOLLEY	98284	WA
91-58-0076	MUZZALL FARMS	RURAL RTE	OAK HARBOR	98277	WA
91-58-0095	WILLIAM SMALLEY	RTE 1 BOX 392	80W	98232	WA
91-58-0122	FRANK VANOE WERFHORST JR	RTE 2 BOX 662G	OAK HARBOR	98277	WA
91-58-0127	GEORGE WOLOEN	RTE 3 BOX 389	MT VERNON	98273	WA
91-58-0197	HENRY OYKSTRA	ROUTE 1	80W	98232	WA
91-58-0212	VICTOR R JENSEN	ROUTE 1	SEORO WOOLLEY	98284	WA
91-58-0223	JOHN POSTMA	RTE 1 BOX 389	SEORO WOOLLEY	98284	WA
91-58-5007	CHUKLUCK FARMS INC	ROUTE 1	BURLINGTON	98233	WA
91-58-5019	CORNIE P BOON		OAK HARBOR	98277	WA
91-58-5025	CHAS OAMON & SONS	RURAL RTE	80W	98232	WA
91-58-5037	H V & G EKSTRAN	RURAL RTE	80W	98232	WA
91-58-5045	FRIEORICHS BROS	ROUTE 1	80W	98232	WA
91-58-5046	A W GAOBOIS & SON	ROUTE 4	MT VERNON	98273	WA
91-58-5056	ALBERT JOHNSON	RTE 3 BOX 39	MT VERNON	98273	WA
91-58-5057	HUBERT JOHNSON	ROUTE 3	MT VERNON	98273	WA
91-58-5110	TENNESON BROS	ROUTE 1	SEORO WOOLLEY	98284	WA
91-58-5119	WALTNER FARMS	ROUTE 3	MT VERNON	98273	WA
91-58-5132	JOHN M YOUNGQUIST	ROUTE 1	80W	98232	WA
91-58-5145	MERLE MILLER	ROUTE 1	BURLINGTON	98233	WA
91-58-5159	HARVEY WOLOEN	RTE 3 BOX 313	MT VERNON	98273	WA
91-62-0009	BARTELHEIMER BROS	1273292NO ST	SNOHOMISH	98290	WA
91-62-0021	FRANK J BUELER	RTE 1 BOX 175	SNOHOMISH	98290	WA
91-62-0032	G M ELLIOTT	ROUTE 4	ARLINGTON	98223	WA
91-62-0187	JERRY SMALL	6525 300TH ST NW	STANWOOD	98292	WA
91-62-5001	BAILANO FARMS	RTE 3 BOX 23	SNOHOMISH	98290	WA
91-62-5002	FARM INDUSTRIES 153	P O BOX 98	MONROE	98272	WA
91-62-5013	HERMAN & WALTER BOSSE	WALMAN FARM 7717 1	SNOHOMISH	98290	WA
91-62-5016	WILLIAM H BOYOEN	RTE 2 BOX 310	MONROE	98272	WA
91-62-5067	ARGYLE KNIGHT	RTE 3 BOX 1	SNOHOMISH	98290	WA
91-62-5098	TENNIS A ROETCISOENOR	RTE 2 BOX 146	EVERETT	98201	WA
91-62-5107	DOON STEFFEN & SON	RTE 3 BOX 182	MONROE	98272	WA
91-62-5209	NELSON BROS YORK FARMS	RTE 1 BOX 305	MONROE	98272	WA
91-62-5220	JOHN J OECK	RTE 1 BOX 243	MONROE	98272	WA
91-64-0023	LYLE WELLS	ROUTE 2	DEER PARK	99006	WA
91-64-0066	EARLY DAWN DAIRY R BATES	RURAL RTE	VERADALE	99037	WA
91-64-0133	DOON REITER	RURAL RTE	DEER PARK	99006	WA
91-64-0185	GOLDEN GEM FARM		ROCKFORD	99030	WA
91-64-5025	J L & DAVIO ECCLES	RURAL RTE	MEDICAL LAKE	99022	WA
91-64-5073	BETTYOON JERSEY	RURAL RTE	DEER PARK	99006	WA
91-66-0015	MERLE LORENTZ	ROUTE 1	CHEWELAH	99109	WA
91-66-0019	GLEN P MEYERS	RURAL RTE	COLVILLE	99114	WA
91-66-0102	DOON BRASHLER	ROUTE 1	ADDY	99101	WA
91-68-0011	W J ELWANGER & SONS	RTE 5 BOX 505A	OLYMPIA	98502	WA
91-68-0024	EARL KEGLEY	RTE 4 BOX 377	OLYMPIA	98501	WA
91-68-0033	ALLPRO FARMS	RTE 7 BOX 720	OLYMPIA	98501	WA
91-68-0094	ROGER FLETCHER	RTE 1 BOX 41	ROCHESTER	98579	WA
91-68-0104	BILL MC MONIGLE	RTE 1 BOX 112	YELM	98597	WA
91-68-5031	JOHN ALBERT MC MONIGLE	RTE 1 BOX 51	YELM	98597	WA
91-68-5032	HAROLD METRAKES	RTE 1 BOX 198	YELM	98597	WA
91-68-5060	KENNETH LONGMIRE	RTE 4 BOX 385	OLYMPIA	98501	WA
91-70-0005	TOM IRVING	ROUTE 1	CATHLAMET	98612	WA
91-70-0029	N B COWAN	ROUTE 1	CATHLAMET	98612	WA
91-70-0042	RIVIERA JERSEY FARM	RTE 1 BOX 272	CATHLAMET	98612	WA
91-70-0043	CHAS EMERICK OVM	80X 174	CATHLAMET	98612	WA
91-70-5017	HARRY STEFFEN	WAKIAKUM HOLSTEIN	SKAMOKAWA	98647	WA
91-70-5027	ARTHUR VIK	ROUTE 1	CATHLAMET	98612	WA
91-70-5030	WALLACE A KASTE	PUGIS HOLSTEIN RTE	CATHLAMET	98612	WA
91-72-5010	DONALD TOMLINSON	RTE 2 BOX 319	WALLA WALLA	98362	WA
91-72-5020	WALLA WALLA COLLEGE FARM	% WM KOENIG RTE 2	WALLA WALLA	99362	WA
91-74-0004	HOVANOER FARMS	5249 IMHOF RD	FERNOALE	98248	WA
91-74-0017	FREO POLINDER JR	1093 POLINDER RD	LYNOEN	98264	WA
91-74-0030	R DANIEL VAN OYK	7585 NOON RD	LYNOEN	98264	WA
91-74-0035	THYS BOON & SONS	ROUTE 1	SUMAS	98295	WA
91-74-0039	CLARENCE EROMAN	1256 ALORICH RD	BELLINGHAM	98225	WA
91-74-0070	J B WASCHKE	1583 SMITH RD	BELLINGHAM	98225	WA
91-74-0078	GERALD MANTHEY	1210 ALORICH RD	BELLINGHAM	98225	WA
91-74-0084	MARIUS R VANDER GRIENO	8759 GUIDE MERIOIA	LYNOEN	98264	WA
91-74-0134	LEN & BYRON LENSSEN	9179 BLOOM RD	LYNOEN	98264	WA
91-74-0143	LARRY RICHNER	4476 MT BAKER HWY	EVERSON	98247	WA
91-74-0145	JAMES & LANDEN ASPLUND	1429 PARADISE RD	FERNOALE	98248	WA
91-74-0146	ERVIN HANSON	3185 GRANOVIEW RD	FERNOALE	98248	WA
91-74-0149	ARNOLD L OLSON	3418 E BAUGER	EVERSON	98247	WA
91-74-0150	VICTOR E BLUMENTHAL	437 E POLE RD	LYNOEN	98264	WA

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
91-74-0169	THEODORE HEERINGA	8844 8ENDOR RD	LYNOEN	98264	WA
91-74-0175	ROD ERICKSON	6343 CHURCH RD	FERNOALE	98248	WA
91-74-0180	LEWIS HEERINGA	9222 8ENSON RD	LYNOEN	98264	WA
91-74-0186	KULSHAN FARMS	6757 HANNEGAN	EVERSON	98247	WA
91-74-0188	STEVE LANCASTER	7913 VAN 8UREN RD	EVERSON	98247	WA
91-74-0194	DAVID RICHNER	4476 MT 8AKER HIWA	EVERSON	98247	WA
91-74-0204	LARRY RICHNER	4476 MT 8AKER HIWA	EVERSON	98247	WA
91-74-0207	KEITH 800N	ROUTE 1	SUMAS	98295	WA
91-74-0208	FRANK WILSON	671 H STREET RD	LYNOEN	98264	WA
91-74-0222	DAVID RICHNER #2	4476 MT 8AKER HIWA	EVERSON	98247	WA
91-74-5002	ERNEST E NOLTE	ROUTE 1	EVERSON	98247	WA
91-74-5003	T J 8AY	8526 8ENSON RD	LYNOEN	98264	WA
91-74-5022	FRED REHM & SON	199 H ST RD	LYNOEN	98264	WA
91-74-5047	RONELEE FARM	8075 8YLSMA RD	LYNOEN	98264	WA
91-74-5067	MARVIN VAN MERSBERGEN	1492 PANG8ORN RD	LYNOEN	98264	WA
91-74-5068	PIERSON DYKSTRA	ROUTE 1	SUMAS	98295	WA
91-74-5071	FLOYD SANDOELL	2445 E 8AKERVVIEW R	BELLINGHAM	98225	WA
91-74-5118	ROZELYN FARM	9265 00U8LE OITCH	LYNOEN	98264	WA
91-74-5212	ELTON VISSER	RTE 1	SUMAS	98295	WA
91-78-0005	NEWHOUSE FARMS	RTE 1 80X 125	MA8TON	98935	WA
91-78-0027	LEONARO W. BAXTER	RTE 4 80X 4234	WAPATO	98951	WA
91-78-0034	GORDON MARSH	RTE 1 80X 311	GRANDVIEW	98930	WA
91-78-0119	WALTER PETERSON	RTE 2 80X 74	PROSSER	99350	WA
91-78-0132	THE WINTERS 8ROTHERS	RTE 1 80X 3668	MA8TON	98935	WA
91-78-5002	ART WINTERS	ROUTE 3	WAPATO	98951	WA
91-78-5140	ROBERT A RASMUSSEN	RTE 2 80X 478	TOPPENISH	98948	WA
92-02-5027	OREGON STATE COLLEGE	120 WITHYCOMBE HAL	CORVALLIS	97331	OR
92-03-0039	MR & MRS RICHRO 8OECKMAN	RTE 1 80X 652	WILSONVILLE	97070	OR
92-03-0042	RUODOLPH LUSCHER	RTE 1 80X 190	WEST LINN	97068	OR
92-03-0048	MEIER DAIRY FARMS	RURAL RTE	8ORING	97009	OR
92-03-0064	ARNOLO MOORE	RURAL RTE	8ORING	97009	OR
92-03-0136	VANLORE FARMS	RT 1 80X 40	JEFFERSON	97352	OR
92-03-5008	STAEHEL 8ROS	RTE 1 80X 566	OREGON CITY	97045	OR
92-03-5094	WINFIELD F MUFFETT	RTE 2 80X 40	MOLALLA	97038	OR
92-04-5038	OSU ASTOR 8RANCH EXP STA	RTE 1 80X 921	ASTORIA	97103	OR
92-05-5026	DONALD R MEIER	RTE 2 80X 274	SCAPPOOSE	97056	OR
92-06-0035	KENNETH LAIRD	SITKUM RTE	MYRTLE POINT	97458	OR
92-06-0050	8 H FRANSSEN	RTE 1 80X 1370	COQUILLE	97423	OR
92-06-0059	SUN VALLEY FARMS 8 SEALS	80X 326	MYRTLE POINT	97458	OR
92-06-5043	WAYNE RUSSELL	1030 NORTH 8ANK RD	COQUILLE	97423	OR
92-06-5049	LEONARO SCOLARI	80X 5820 FAIRVIEW	COQUILLE	97423	OR
92-06-5060	VALLEYWOOD FARMS N ROOD	ARAGO RTE 80X 23	MYRTLE POINT	97458	OR
92-08-5006	SWEET JERSEYS L KREUTZER	STAR RTE 80X 10A	SIXES	97476	OR
92-09-0033	ROY OAVIS	RTE 2 80X 129	8ENO	97701	OR
92-09-0062	MILANS FARM HERO #2	80X 189	POWELL 8UTTE	97753	OR
92-11-0098	JOHN & MICHAEL GOLOT	RTE 1 80X 257	ROGUE RIVER	97537	OR
92-13-0005	KEN WAL GUERNSEY FARM	5791 LOWER RIVER R	GRANTS PASS	97526	OR
92-13-0020	EVERET & MARION ROBINSON	100 REOLANO OR	GRANTS PASS	97526	OR
92-13-0029	VAL ROGUE GUERNSEY FARM	3047 UPPER RIVER R	GRANTS PASS	97526	OR
92-13-0062	ILLIVALE FARMS	RTE 1 80X 720	CAVE JUNCTION	97523	OR
92-13-0104	RE808 DAIRY	381 NW SCENIC ORIV	GRANTS PASS	97526	OR
92-14-5020	SHASTA VIEW JERSEYS	RTE 1 80X 452	WEED	96094	CA
92-16-0016	GERALD FLANAGAN	550 MEADOW VIEW RD	JUNCTION CITY	97448	OR
92-16-0022	HAROLO CLARK	82025 N OAVISON RD	CRESWELL	97426	OR
92-16-0027	FOSTER HARROLO & SONS	80X 83647 DALE KUN	CRESWELL	97426	OR
92-16-0054	LNO OF 7C RNCH & W STAAL	RTE 1 80X 293	JUNCTION CITY	97448	OR
92-16-0060	RALPH WITCHER	3585 HIWAY 36	JUNCTION CITY	97448	OR
92-16-0076	JAMES GETCHELL	83442 NORTH ROOGER	CRESWELL	97426	OR
92-16-0098	JOHN WINTER JR	1201 HOWARD LANE	JUNCTION CITY	97448	OR
92-16-0109	THE KJELDES	BOX 531 8 B RTE	COTTAGE GROVE	97424	OR
92-16-0124	JAMES GETCHELL	83442 N ROGERS RD	CRESWELL	97426	OR
92-18-0027	JESSE GRIESER	RTE 3 80X 1128	AL8ANY	97321	OR
92-18-0047	HAZEL HUGHES	RTE 1 80X 126	HALSEY	97348	OR
92-18-0051	LLOYD POU8LON	RURAL RTE 1 80X 32	HARRISBURG	97446	OR
92-18-5094	SANTIAM DAIRY	RTE 2 80X 416	LE8ANON	97355	OR
92-19-0027	JOE S PAYNE	RTE 2 80X 302	VALE	97918	OR
92-20-0012	HERBERT S COLEMAN	RTE 1 80X 350	WOODBURN	97071	OR
92-20-0019	RALPH G MULKEY	RTE 3 80X 49	SILVERTON	97381	OR
92-20-0026	8UYSERIE JERSEY FARM INC	RTE 1 80X 370	ST PAUL	97136	OR
92-20-0033	MT ANGEL 888EY DAIRY		ST 8ENEIOICT	97373	OR
92-20-0041	HOBSON BROS	RTE 1 80X 329	WOODBURN	97071	OR
92-20-0065	F L ZIELINSKI	P O 80X 114	ST PAUL	97137	OR
92-20-0102	ER8 FARM NO 1	RTE 1 80X 40	JEFFERSON	97352	OR
92-20-0119	E S COATS & SONS	RTE 4 80X 44-46	SALEM	97302	OR
92-20-5024	ORVILLE L 8ROWN	RTE 1 80X 417	WOODBURN	97071	OR
92-20-5054	C J JORGENSEN & SONS	RTE 1 80X 201	JEFFERSON	97352	OR
92-20-5108	PAUL & OELORES MANN	RTE 1 80X 305	SILVERTON	97381	OR
92-20-5120	KENNETH CHAFFEY & SONS	RTE 2 80X 188	AURORA	97002	OR
92-22-0021	BERENO FABER	RTE 1 80X 456	SALEM	97304	OR
92-22-0023	MARVIN DEAN BROMMER SR	RTE 2 80X 28	MONMOUTH	97361	OR
92-22-0047	CHARLES R HUMPHREY	RTE 1 80X 210	INOEPENDENCE	97351	OR
92-22-5016	FRED H OETERING	RTE 1 80X 276	INOEPENDENCE	97351	OR
92-22-5045	HELEN M & HARLD M CHERRY	RTE 1 80X 447	SALEM	97304	OR
92-22-5055	8ARBERS JERSEY FARM	RTE 1 80X 127	WILLAMINA	97396	OK
92-23-0046	OURRRER BROS	2845 MC CORMICK LD	TILLAMOOK	97141	OR

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
92-23-DD47	JOE BEELER & SONS	6255 BEELER RD	TILLAMOOK	97141	OR
92-23-DD49	STANLEY JONES	RTE 2 BOX 241	CLOVERDALE	97112	OR
92-23-DD89	ALDERVALE HOLSTEIN FARM	RTE 1 BOX 262	NEHALEM	97131	OR
92-23-0100	RUDY FENK JR	40 FENK RD	TILLAMOOK	97141	OR
92-23-0106	HARVEY WYSS	9600 TRASK RIVER R	TILLAMOOK	97141	OR
92-23-D108	JOHN LOVE	RTE 2 BOX 240	CLOVERDALE	97112	DR
92-23-0112	RICHARD E TOHL	955 GOOOSPEED RD	TILLAMOOK	97141	OR
92-23-0129	KENNETH TDHL	2020 MC CORMICK LD	TILLAMOOK	97141	OR
92-23-0154	O LEUTHOLD WILSONA FARMS	2470 MC CORMICK LO	TILLAMOOK	97141	OR
92-23-5002	ROBERT ATKINSON	RTE 2 BOX 159	CLOVERDALE	97112	OR
92-23-5008	ALFRED & WALTER ZWALO	1415 101 N	TILLAMOOK	97141	OR
92-23-5150	HARVEY THUN	1814 MAROLF DRIVE	TILLAMOOK	97141	OR
92-27-0072	DINSDALE DAIRY	RTE 2 BOX 450	CORNELIUS	97113	OR
92-27-0108	JOHN M THOMAS	16575 SW 85TH	TIGARD	97223	OR
92-27-0131	WILBUR P JANSEN	RTE 2 BOX 224	FOREST GROVE	97116	OR
92-27-5D13	EVER MAY FARM	RTE 2 #232	FOREST GROVE	97116	DR
92-27-5D25	FRANCIS HERTEL	RTE 1 BOX 71	CORNELIUS	97113	OR
92-27-5030	DAIRY FOLKS FARMS	RTE 2 BOX 394	FOREST GROVE	97116	DR
92-27-5037	WILLIAM E MARSH	MARSH FARMS RT 3 B	CORNELIUS	97113	OR
92-27-5136	LINDOW BROTHERS	3160 NW 143RD AVE	PORTLAND	97229	OR
92-28-0022	JAMES & WILMA J HEIOA	RTE 2 BOX 242	MC MINNVILLE	97128	OR
92-28-0077	STANLEY BANSEN	RTE 2 BOX 269	OAYTON	97114	OR
92-40-5006	DONALD O MORRIS	RTE 3 BOX 46	REEDSPORT	97467	OR
93-04-9041	ARTHUR AVRIT	ROUTE 4 BOX 217	CHICO	95926	CA
93-07-0002	BURROUGHS BROS	ROUTE 2 BOX 480	OAKLEY	94561	CA
93-10-0027	DUANE SOARES	7415 W CALIF AVE	FRESNO	93707	CA
93-10-0037	T P & GLEN KOLLER	5411 W CALIF AVE	FRESNO	93706	CA
93-10-0043	SOARES DAIRY	7415 W CALIF AVE	FRESNO	93706	CA
93-10-0044	JOE SOUZA DAIRY	8415 SO VALENTINE	FRESNO	93706	CA
93-10-0167	HARPAINS DAIRY FARM	3949 N BARTON	FRESNO	93726	CA
93-10-D207	ANDY ANDERSON	13542 S BLYTHE	CARUTHERS	93609	CA
93-10-0214	HARDLD HILL	4488 HARLAN AVE	RIVEROALE	93656	CA
93-10-0286	RALPH FRIES	P.O. BOX 116	RAISIN	93652	CA
93-10-0309	OLD STAGE DAIRY	3650 SO CHERRY	FRESNO	93706	CA
93-10-9D11	FRESNO STATE COLLEGE	DAIRY PROD DEPT	FRESNO	93726	CA
93-10-9D18	JAKE VAN RUITEN	21413 EAST JENSEN	REEDLEY	93654	CA
93-10-9032	J C ANDERSON	1019 W WHTSBRDA	FRESNO	93721	CA
93-10-9040	A J QUIST DAIRY	5500 W JENSEN	FRESNO	93706	CA
93-10-9058	NIND GROPPETTI & SON	P. D. BOX 646	SAN JOAQUIN	93660	CA
93-10-9175	RU ANN DAIRY	7285 W DAVIS AVE	RIVEROALE	93656	CA
93-10-9269	MR CRAIGHEAD	BOX 1386	FRESNO	93716	CA
93-10-9278	PRODUCERS HOLSTEIN	144 E BELMONT	FRESNO	93701	CA
93-11-9001	BAILEY BROTHERS	RT 1 BOX 454	GLENN	95943	CA
93-11-9039	WACKERMAN BROTHERS	RT 1 BOX 172	DRLAND	95963	CA
93-12-0002	JOHN GIACOMINI	RT 1 BOX 748	EUREKA	95501	CA
93-12-DD31	ERNEST BOYNTON	RFO BOX 253 A	FERNOALE	95536	CA
93-12-D118	LLOYD BANSON	P O BOX 372	FENDALE	95536	CA
93-12-0119	ERNEST GIACOMINI	R.F.D. BOX 9	FERNDAL	95536	CA
93-12-0146	PHIL REGLI	RFO BOX 11	FERNOALE	95536	CA
93-12-9005	DONALD F GIACOMINI	R F D BOX 56	FERNOALE	95536	CA
93-12-9010	A J REGLI	R F D	FERNDAL	95536	CA
93-12-9061	J W COPPINI ESTATE	P. O. BOX 535	FERNDAL	95536	CA
93-15-0057	PALLA WAYNE	RT 3 BOX 517	BAKERSFIELD	93307	CA
93-15-DD87	MC LANAHAN DAIRY	STAR ROUTE	MARICOPA	93252	CA
93-16-9001	DIAMOND A REGISTRY	5484 13TH AVENUE	HANFORD	93230	CA
93-16-9011	CAL CLARK FARMS	15964 10TH AVE	HANFORD	93230	CA
93-16-9026	MASON EARL	6240 21ST ST	LEMOORE	93245	CA
93-16-9050	PAULO BROS REG	13245 9TH AVE	HANFORD	93230	CA
93-16-9166	CELO BAR RANCH	7974 GRANGEVILLE	HANFORD	93230	CA
93-19-0086	L A PIERCE COLLEGE	6201 WINNETKA BLVD	WOODLAND HILLS	91364	CA
93-19-0392	RALPH TEVELOE	13200 SOUTH ST	ARTESIA	90701	CA
93-19-9D61	JESSUP FARMS	12950 BRANFORD ST	PACOIMA	91331	CA
93-19-9063	JESSUP FARMS INC	12950 BRANFORD ST	PACOIMA	91331	CA
93-19-9165	HENRY STERK	12160 195TH AVE	ARTESIA	90701	CA
93-19-9303	PAULS DAIRY	6170 PARAMOUNT	LONG BEACH	90805	CA
93-19-9316	ARTEVEL FARMS	3575 LARKWOOD OR	CHINO	91710	CA
93-20-0D61	SHERMAN THOMAS RANCH	25810 AVENUE 11	MADERA	93637	CA
93-20-9038	MASSARO HENRY	20691 ROAD 16	CHOWCHILLA	93610	CA
93-21-0059	STEWART RANCH		OLEMA	94950	CA
93-21-4009	ERNEST CORDA	833 CHILENO VALLEY	PETALUMA	94952	CA
93-21-9062	CHAS SPALETTA	6701 RED HILL RD	PETALUMA	94952	CA
93-21-9091	MANUEL GONZALES	LUCAS VALLEY RD	SAN RAFAEL	94903	CA
93-21-9122	MARVIN L NUNES		PT REYES STN	94956	CA
93-23-0026	A C MC CHESNEY	1328 SOUTH STATE	UKIAH	95482	CA
93-23-9009	MENDOCINO STATE HOSP	P O BOX X	TALMADGE	95481	CA
93-24-0C29	R & H DAIRY	1420 11TH STREET	LOS BANOS	93635	CA
93-24-0D31	H G FAWCETT FARMS	P O BOX 231	LOS BANOS	93635	CA
93-24-0074	FRANKLYN MATHERON	21859 CRANE RD	HILMAR	95324	CA
93-24-0161	M. FANTAZIA & SONS	9255 SO HWAY 33	GUSTINE	95322	CA
93-24-0233	ALBERT MANCERO	43490 W HART	ODS PALOS	93620	CA
93-24-0368	CARPANTA DAIRY	RT-1 BOX 111	ODS PALOS	93620	CA
93-24-0411	WILBAR FARMS	PO BOX 6	GUSTINE	95322	CA
93-24-0447	L REBELO & CO	6255 SO HALEY ROAD	GUSTINE	95322	CA
93-24-9D62	HOWARD G FARNSWORTH	RT 2 BOX 260	LE GRAND	95333	CA
93-24-9099	JOHN G VIERRA	20755 WEST RIVR RD	STEVENSON	95374	CA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
93-24-9180	JOE L VIERRA	10990 W LIVINGSTON	LIVINGSTON	95334	CA
93-24-9204	JOE M TRINDADE JR	3101 ND TRINDAD RD	MERCED	95340	CA
93-24-9454	VICTOR L GOUVEIA, JR	23561 TURNER AVE	HILMAR	95324	CA
93-27-0607	MISSION DAIRY	P O BOX 226	GONZALES	93926	CA
93-27-0054	LOUIS R CALCAGNO	P. O. BOX 62	MOSS LANDING	95039	CA
93-27-0062	DLD STAGE FARM	PO BOX 717	GONZALES	93926	CA
93-27-0071	MISSION DAIRY JERSEYS	P.O. BOX 2266	GONZALES	93926	CA
93-27-0072	ALVES DAIRY	RT 1 BOX 199	HALF MOON 8Y	94019	CA
93-27-9002	RINCON DAIRY		GONZALES	93926	CA
93-27-9029	BLANCO DAIRY	58D SAN JUAN ROAD	SALINAS	93901	CA
93-28-0010	LUIS BROTHERS	1194 BUCHI STA RD	NAPA	94558	CA
93-33-0056	J F SAUNDERS	RT 1 BOX 329A	CORDNA	91720	CA
93-33-9010	L O S WELFARE RANCH	6313 ARCHIBALO AVE	CORDNA	91720	CA
93-33-9041	EXCELSIOR FARMS	RT 1 BOX 128	CORONA	91720	CA
93-33-9045	OAN HOLLINGSWORTH	39225 N RAMONA	SAN JACINTO	92383	CA
93-33-9079	GERRIT BOS & SONS	6481 WENEVILLE AVE	MIRA LOMA	92354	CA
93-34-0031	FOLSOM STATE PRISON	80X W	REPRESA	95671	CA
93-34-0190	JOHN WIETSMA	RT 1 BOX 17	WILTON	95693	CA
93-34-9076	BAY MEADOW FARM	RT 1 BOX 504	GALT	95632	CA
93-34-9148	VERNON MACLUSE	P.O. BOX 327	RIO LINDA	95673	CA
93-34-9154	JAMES LINDSAY	RT 2 BOX 2735	ELK GROVE	95624	CA
93-36-0012	RAY GREYANUS & SONS	16221 S EUCLID AVE	CHINO	91710	CA
93-36-0040	H J AGUIRE, DAIRY MGR	P. O. BOX 128	CHINO	91710	CA
93-36-0085	BILL NELSON	36975 MOUNTAIN VW	HINKLEY	92347	CA
93-36-0249	SCOTT BROS DAIRY	1097 PHILADELPHIA	POMONA	91766	CA
93-36-0280	ARTEVEL FARMS	7255 SCHAEFFER	CHINO	91710	CA
93-36-9024	SHADY GROVE #1	P. O. BOX 840	ONTARIO	91761	CA
93-36-9219	MAYNARD G ENGLE	7941 CHINO AVENUE	ONTARIO	91761	CA
93-36-9243	CHARLIE VAN DER KOOI	8331 EOLSON AVENUE	CHINO	91710	CA
93-37-0062	FRANK KONYN	ROUTE 1 BOX 818	ESCANOIOO	92025	CA
93-37-9014	WEARY RIVER RANCH	RT #6 BOX 820	ESCANOIOO	92025	CA
93-37-9031	SWEET HAVEN DAIRY INC	6135 SAN MIGUEL RO	NATNL CITY	92050	CA
93-37-9036	JOSEPHINE L SCRIPPS	HI HOPE RANCH	S LUIS REY	92068	CA
93-39-0001	LOUIS AUFDERMAUR JR	17831S MCKINLEY AV	LATHROP	95330	CA
93-39-0004	FRANK FARIA	13182 S RD8INSN RD	ESCALON	95320	CA
93-39-0028	MARCELL OICKENS	RT 1 BOX 456	DAKDALE	95361	CA
93-39-0077	FARM & CREAMRY	% JOE RAMSEY	FRENCH CAMP	95231	CA
93-39-0087	BOBIDEE HOLSTEINS	J27692 E OWENS RD	ESCALON	95320	CA
93-39-0217	JOHN LIMA RANCH	J13436 NO THORNTON	LODI	95240	CA
93-39-0356	EMCEE JERSEY FARM	10806 LOWER SAC RD	STOCKTON	95207	CA
93-39-9015	CLEVERLANOS	26524 SOUTH HIWAY	TRACY	95376	CA
93-40-0019	CALIF STATE POLY	% H RICKARO	SN LUS O8SPD	93401	CA
93-40-0050	CALIF STATE POLY	% H TOONE	SN LUS O8SPD	93401	CA
93-40-9002	CALIF STATE POLY	% H TOONE	SN LUS O8SPD	93401	CA
93-40-9029	HENDRIK OE BOER	5205 CARRIZO ROAD	ATASCADERO	93422	CA
93-40-9049	CALIF STATE POLY	% H TOONE	SN LUS O8SPD	93401	CA
93-42-9049	JAMES McLANAHAN	P. O. BOX 8	CUYAMA	93214	CA
93-48-0006	J O RDWE & SONS	ROUTE 1 BOX 2850	DAVIS	95616	CA
93-49-0099	TRUMAN SILACCI	6155LAKEVILLE HWY	PETALUMA	94952	CA
93-49-0165	W G OREW & SONS	761 CORDNA ROAD	PETALUMA	94952	CA
93-49-0175	CLIFF ORR	5030 SDNOMA ROAD	SANTA ROSA	95404	CA
93-49-0182	E J MARTIN & SDNS	996 PEPPER ROAD	PETALUMA	94952	CA
93-49-0276	TERRILINDA FARMS	5368 STONY POINT	SANTA ROSA	95404	CA
93-49-0335	CLOVER PRAIRIE FARM	6033 BLANK ROAD	SEBASTOPAL	95472	CA
93-49-9065	GEORGE MICKELSEN	2400 PEPPER ROAD	PETALUMA	94952	CA
93-49-9101	SLEEPY HOLLOW MILK	7689LAKEVILLE HWY	PETALUMA	94952	CA
93-49-9124	LA FRANCHI BROS.	RT 1 BOX 62	CALISTOGA	94515	CA
93-49-9280	PINEYHILL WEST	RT 1 BOX 72	CALISTOGA	94515	CA
93-49-9281	TOM A NUNES JR	4255 WOOLSEY ROAD	SANT ROSA	95401	CA
93-49-9321	GEORGE NUNES	4124GUERNEVILLE RO	SANTA ROSA	95401	CA
93-50-0062	A. VERNE CROWELL	1201 W MONTE VISTA	TURLOCK	95380	CA
93-50-0072	LOUIE OURRER	3731 OUNN ROAD	MODESTO	95351	CA
93-50-0084	MRS J.B. FISCALINI & SON	7130 KIERNAN ROAD	MODESTO	95351	CA
93-50-0177	NORMAN E LUCAS	11204 FULKERTH ROAD	TURLOCK	95380	CA
93-50-0194	ELMER MARRIOTT	5424 SAOESQUIST RD	TURLOCK	95380	CA
93-50-0213	L G MORASCI	1118 W KEYES RD	MODESTO	95351	CA
93-50-0222	CARL L OTT	RT 8 2437 BAKER AV	MODESTO	95358	CA
93-50-0235	ANTHONY PIRES	18005 WILLIAMS AVE	HILMAR	95324	CA
93-50-0255	EL KATRINA DAIRY	547 PEOROS RD	CERES	95307	CA
93-50-0264	SHERMAN BROS	1125HILLS FERRY RD	NEWMAN	95360	CA
93-50-0271	OALE SINCLAIR	1001W MONTE VISTA	CERES	95307	CA
93-50-0324	MANUEL & BILL VIERRA	2613SOUTH MITCHELL	TURLOCK	95380	CA
93-50-0349	MAURICE BRINDEIRO	5831 S TEGNER RD	TURLOCK	95380	CA
93-50-0363	KAMLO HOLSTEINS	3855 EAST KEYES RD	CERES	95307	CA
93-50-0403	E. E. YOUNG & SONS	2118 STANFORDO	MODESTO	95350	CA
93-50-0404	BETTENCOURT & TEIXERA	530 STUHR ROAD	NEWMAN	95360	CA
93-50-0409	JOE OUARTE	8455 FAITH HOME RD	CERES	95307	CA
93-50-0426	SOUZA BROTHERS	5213SO MICHAEL RD	TURLOCK	95380	CA
93-50-0579	ELMER S ANDERSON JR	ROUTE 1 BOX 120	CROWS LANDING	95313	CA
93-50-0596	PHIL FANELLI	6437 WOODLAND AVE	MODESTO	95351	CA
93-50-0599	JO JON HOLSTEINS	3431 SO MOFFETT RD	TURLOCK	95380	CA
93-50-0605	GEORGE ESPINOULA	5725 EHRlich ROAD	TURLOCK	95380	CA
93-50-0625	LLOYD E STARN	1518 N MITCHELL RD	TURLOCK	95380	CA
93-50-0709	HEGPETH, S DAIRY	4413S PRAIRIEFLOW	TURLOCK	95380	CA
93-50-0746	MONTE KINSLEY	2401 NEWMAN ROAD	TURLOCK	95380	CA

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	. . . . . A D R E S S O F O W N E R			
		STREET OR ROUTE	TOWN	ZIP-CODE	STATE
93-50-0758	WALTER BROWN	5107 TULLY ROAD	HUGHSON	95326	CA
93-50-9109	MIOLANO HOLSTEIN FRM	RT2 1940 KINSEY RD	CERES	95307	CA
93-50-9141	DIAMOND J HOLSTEINS	RT 1 9325 OUSTY LN	MODESTO	95351	CA
93-50-9149	KAY-HART DAIRY	567 KAISER ROAD	MODESTO	95351	CA
93-50-9162	LEWIS & LESLIE LEE	3230 VIVIAN ROAD	MODESTO	95351	CA
93-50-9165	ARLINO HOLSTEINS	124N FAITH HOME RD	TURLOCK	95380	CA
93-50-9208	MICHEL INVESTMENT CO	744 MC EWEN ROAD	WATERFORD	95386	CA
93-50-9258	DIAMOND S RANCH	STAR ROUTE 15	WATERFORD	95386	CA
93-50-9261	LAVACRE FARMS	RT 1 1016 ALORICH	HUGHSON	95326	CA
93-50-9336	E L WETMORE	350 WILSON AVE	MODESTO	95351	CA
93-50-9396	JOE PIMENTEL	RT 1 5943 GRIFFIN	HUGHSON	95326	CA
93-50-9419	JAMES PAPPAS	RT8 3749 SHILON RD	MODESTO	95351	CA
93-50-9598	L F MASSINGILL JR	RT 8 2306 YOUNG RD	MODESTO	95351	CA
93-50-9667	HONNETTE & SONS	2231 ZEERING ROAD	ODENAIR	95316	CA
93-52-9002	WAYNE EARLY & FAMILY	RT 1 80X 188	LOS MOLINOS	96055	CA
93-52-9058	JOSEPH W. EARLY	ROUTE 1 80X 172J	LOS MOLINOS	96055	CA
93-52-9065	ROBERT G PURINGTON	2 80X 189	ORLANDO	95963	CA
93-54-0029	EOGERLY A C	328 W SIERRA WAY	ORLANDO	93618	CA
93-54-0040	CURTI M & SONS	P O 80X 158	WAUKENA	93282	CA
93-54-0065	SEPEDA BROS	17576 ROAD 128	TULARE	93274	CA
93-54-0094	ROWLEY JIM	18356 AVE 304	VISALIA	93277	CA
93-54-0182	CORREIA M G	13049 AVE 200	TULARE	93274	CA
93-54-9016	LECHE FARMS 2	P O 80X 132	TULARE	93274	CA
93-54-9038	BONO JOE	6062 AVE 200	TULARE	93274	CA
93-54-9195	OAN-VER HOLSTEINS	20433 RD 28	TULARE	93274	CA
93-54-9337	LECHE FARMS 1	P O 80X 132	TULARE	93274	CA
93-54-9367	VEEMAN & SONS	18333 AVE 184	STRATHMORE	93267	CA
93-54-9370	MACHADO MARVIN	20180 ROAD 36	TULARE	93274	CA
93-56-0015	ADDER FARMS	P O 80X 88	CAMARILLO	93010	CA
93-56-0019	ADDER FARMS	P O 80X 88	CAMARILLO	93010	CA
93-57-9005	F PLOCHER & SONS	RT 3 80X 674	WOODLAND	95695	CA

